REPEATER JOURNAL

CVRA-SouthEastern Repeater Association, Inc.

August

2.50

A Portrait of "Petie" Lineberry
Daughter of a Ham
Her Story in this issue

In This Issue:

An Updated 7 State Repeater Index

The Coordination Docket What It Will Mean To Us

It's Dues Increase Time

Coming Events

CVRA-SERA Annual Meeting-Aug. 30

Director/Vice Director Elections

Representing Coordination and UHF/VHF Interests Throughout North Carolina, South Carolina, Virginia, Tennessee, West Virginia, East Kentucky and Georgia

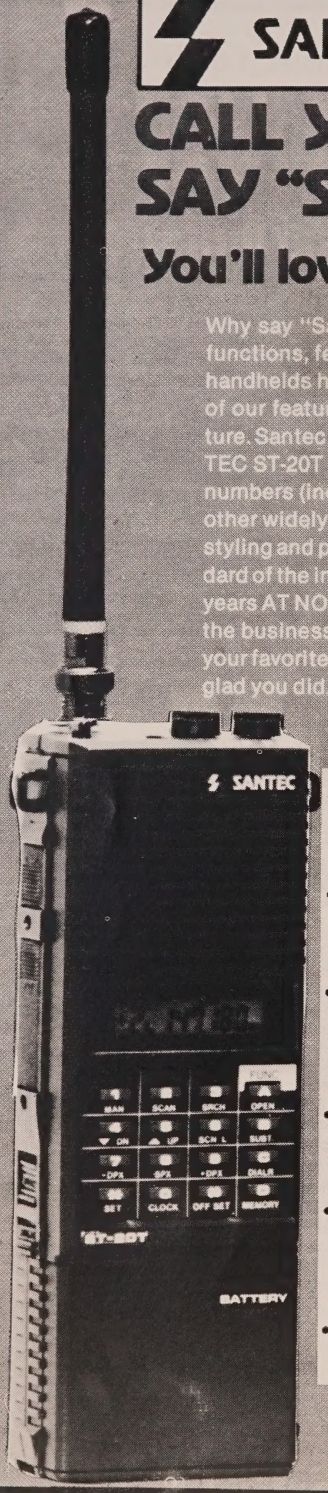
SANTEC ST-20T

$10 REBATE
Santec Rebate
Limited Time Only
Contact Your Dealer
SAVE

CALL YOUR HAM DEALER AND SAY "SANTEC ST-20T please...."

You'll love the performance and the price!

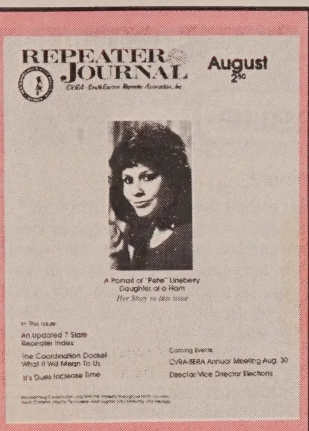
Why say "Santec ST-20T" over all the 'others'? Because of the easy-to-program functions, features and benefits that the other guys don't have. Some of the other handhelds have copied some of the ST-20T features but no other handheld has all of our features. Santec was truly the first ham radio with the 'Battery Saver' feature. Santec is still the only handheld to offer the 24 Hour clock function. The SANTEC ST-20T is the ONLY HANDHELD with autodial of two seven digit telephone* numbers (including star and pound). The ST-20T has opted for compatibility with other widely used battery and accessory styles while retaining our own individual styling and performance. Programs with one finger! Warranty coverage is the standard of the industry: 90 Days plus the Encomm, Inc. extended service period of two years AT NO EXTRA CHARGE TO THE END USER! Our service staff is the finest in the business and our customer service attitude the friendliest around. So do call your favorite ham radio dealer and say "I'd like a Santec ST-20T please..." you'll be glad you did.



- AUTO-DIALER and two seven-digit memories for phone numbers. Not an option!
- OFFSETS PROGRAMMABLE for M.A.R.S. and C.A.P. Program different offset into each memory.
- TEN MEMORIES for frequency, offset amount and direction, and subtone. Program any tone into any memory channel.
- EASY PROGRAMMING and operation. Use one hand (or one finger) to program.
- AUTOMATIC ENTRY OF STANDARD OFFSET AMOUNT. ST-20T knows the standard offset is 600KHz.
- FREQUENCY COVERAGE: 142-150.995 MHz.
- FOUR MODES OF SCAN.
- 24-HOUR CLOCK.
- SUB-AUDIBLE TONE ENCODER built in and programmable from front panel.
- LOCK OUT memories from scan.
- TOP-MOUNTED S-METER for D.Fing.
- 3.5-5 WATTS OUTPUT.
- OPERATES DIRECTLY FROM 12 VDC.
- SANTEC/ENCOMM TWO YEAR EXTENDED SERVICE PERIOD AT NO EXTRA COST.
- SLIDE ON/OFF BATTERY PACK COMPATIBILITY.

ENCOMM

1506 CAPITAL AVENUE, PLANO, TEXAS 75074 PHONE · 214-423-0024 GIII FAX · 214-423-0081
NATIONAL DISTRIBUTION FOR SANTEC · KDK · KENPRO · THL · WELZ PRODUCTS



ON THE COVER

Our cover of this issue of the Repeater Journal is dedicated to Michelle "Petie" Lineberry, daughter of Bill, WB4TGT of Radford, Va. Petie, a strong, beautiful girl has received a new chance to live, but the cost is devastating. Read about her on page 7. Your donation to the "Chance for Life Committee" will help Petie and her family.

Journal Staff

EDITOR & PUBLISHER
Wayne C. Williams, K4MOB
600 Lakesdale Road
Colfax, N.C. 27235
(919) 993-5881

TECHNICAL EDITOR
Herman Cone, WB4DBB
79 Hunting Lane
Goode, Va. 24556
(703) 586-5643

ADV. & SALES MANAGER
Sharon Ward
5573 Vienna-Dozier Rd.
Pfafftown, N.C. 27040
(919) 924-0520

CIRCULATION MANAGER
Larry McLaurin, WB4VJE
1114 Wiley Lewis Rd.
Greensboro, N.C. 27406

JOURNAL PRODUCTION

Typesetting and
Printing by: Commercial
Printing, Kernersville

Camera Graphics by:
Piedmont Pub. Co., W-S

Layout, Pasteup, Design
Wayne C. Williams, K4MOB

Other Journal Assistance:

Gerry Williams
Jane McLaurin
Alton Ward KB4EP
David Ward, KA4LVO

REPEATER JOURNAL

CVRA-SouthEastern Repeater Association, Inc.

Aug., Sept., Oct. 1986
VOLUME 15, NO. 3
ORGANIZED IN 1971
"IN OUR 15th YEAR"

Editorial Comment

Justifying A Dues Increase. . .

We voted yes. . . when the time came July 1 to consider price increases on Full and Associate Membership. I was totally against any kind of increase last Spring. I still hate to see it happen, but it was inevitable and had to happen.

We have managed to control costs in publishing the Journal, and David has pretty well settled into our new computerized membership, running parallel with Lindsay. The places we are seeing rising costs, with which we have no control are helping solve trouble spots, financing meetings which draw more people each year, and additional cost of documenting repeater coordination. All these things will continue to add to the burden of cost with our organization, but they are a necessity to get the job done.

There are too many repeaters out there, that a Director can pull a frequency out of his hat and assign it. He now must search, check, make phone calls, write letters, and do more searching. All this must be documented carefully for future needs. The new FCC rules make it important for us to do our job more completely and be able to provide complete documentation of every coordination if necessary.

All this is going to take more money. So even though I knew David, Lindsay and I had the reigns drawn on spending for Membership and the Journal, this new important function of documentation, and the need for more correspondence demanded we have more funds available when needed.

Our Directors, Vice-Directors, Officers and appointees still are able to only get reimbursed for phone bills and actual out-of-the-pocket expenses such as postage, nothing has changed there, but several times over the past quarter, a Director and someone else has had to drive to a meeting place and meet with repeater owners at the request of the FCC to solve problems. These persons were paid gasoline, and their motel bills were paid, which I think is only fair. They still had to drive 5 to 7 hours, miss 2 days from work and be away from home 2 days, but they did it for us, without a single complaint.

So, I think the least we can do is to continue to have funds available when more things like this are required of our Directors and Officers. The FCC wants US to solve the problems, so they are calling on US to make a trip and set up the meetings.

This is why your dues went up July 1. I think we were quite justified, don't you?

— Wayne C. Williams, K4MOB Editor

Obtaining Overall Recognition...

As we read through the FCCs "Coordination Docket" #85-22 there is something that kind of sticks with me and won't go away. Under their heading, "Official recognition of Coordinators", the Commission said: "It is essential that repeater coordinators respond to the broadest base of local amateurs, and consider the concerns not only of repeater owners but also of those users of spectrum affected by repeater operation." "Their authority is derived from the voluntary participation of the ENTIRE amateur community; their recognition MUST be derived from the same source."

Those words "entire" amateur community for recognition kind of bothers me. Here-to-fore, coordination councils, such as CVRA-SERA over the years have concentrated their efforts to the coordination of repeaters, and although drawn up band plans for other modes of operation in the service, have catered very little to them. Now is the Commission saying we must represent ALL of them, and must we get the acceptance and recognition of our very being from all these amateurs?

We have had hard enough time over the past 15 years just to get FMers and repeater owners to acknowledge that we are around, much less recognize us as a coordination body. Our support is very small when you count it in Associate Membership and Full Membership.

Could lack of support, which obviously reduces recognition be the factor that causes the undoing of CVRA-SERA. I certainly hope not! Any comments?

— Wayne C. Williams, K4MOB, Editor

CVRA-SOUTHEASTERN REPEATER ASSOCIATION · MEMBER · SERA

REPEATER JOURNAL

AUG., SEPT., OCT. 1986

In This Issue

"Justifying The Dues Increase" - Editorial Comment 1
PR-Docket 85-22-The Coordination Rules 3
The Story of "Petie" Lineberry 7
CVRA-SERA Annual Meeting 9
Full and Associate Membership Dues 9
Holly Ridge Fire - Amateur Involvement 11
Repeater Distribution by Frequency 16-17
CVRA-SERA Seven State Repeater Index 18-26
West Virginia Notes 28
LPM Meeting 31
Associate Membership Application 33
VEC Examination Schedule 37
New CVRA-SERA Address 39
Looking Back - The August 1976 Journal 43
Coming Events - Final 1986 Hamfest Calendar 48
The Index to Advertisers 48

Where To Find It Quick!

Officers & Committees 2
Repeater Journal Staff 1
District Directors ..... Bk. Cover
Assoc. Mbrship Application 35
Ads Rates - Journal Advertising .. 33
Repeater Index 16-26
Stubbie 40
Financial Report 48
Hamfest Calendar 48
Advertisers Index 48

Officers & Committee

PRESIDENT
A. Carter Cogle, K4ARO
1667 Varina Avenue
Petersburg, Va. 23805
(804) 733-8411

VICE-PRESIDENT
Jim Fitzgerald, K4OJE
909 Penobscot Road
Richmond, Va. 23227
(804) 266-7459

TREASURER
Raymond K. Adams, N4BAQ
5833 Clinton Hwy., Suite 203
Knoxville, Tenn. 37912
(615) 687-5410 Home
(615) 688-7771 Office

SECRETARY
Nita Morgan, N4DON
1504 Woodnymph Trail
Lookout Mtn., Tenn. 37350
(404) 820-2065

REPEATER MEMBERSHIP
(Owners & Rptr. Oper.)
CVRA FULL MEMBERSHIP
P.O. BOX 5655
Greensboro, N.C. 27435

ASSOCIATE MEMBERSHIP
(Repeater Users)
David Ward, KA4LVO
CVRA ASSOC. MEMBERSHIP
P.O. Box 5655
Greensboro, N.C. 27435
(919) 924-0520

ASSOC. MBR. ASSISTANT
Lindsay Cleveland, W4IZI
149 N. Peachtree St.
Norcross, Ga. 30071

TECHNICAL ADVISOR
F.L. Warford, K4AZA
121 Old Mill Road
High Point, N.C. 27260
(919) 869-2635

FCC LIASON CHAIRMAN
Rose Bond, FCC
1365 Peachtree St. NE
Room 404
Atlanta, Ga. 30309
(404) 881-2631

About CVRA-SERA. . .

CVRA-Southeastern Repeater Association, Inc. is one of the largest Non-Profit repeater councils in the U.S. In our 15th year of operation, CVRA-SERA territory covers over 900 repeaters in the member States of NC, SC, VA, WVA, TN, EKY, and GA. Our goal and promise is to continue providing a pleasant operating condition in the UHF/VHF spectrum of Amateur Radio.

About Associate Membership

Repeater users and Amateurs are invited to join CVRA-SERA as Associate Members. A membership fee of $6.00 per year will enable members to support the organization and receive the "Repeater Journal". Associate Membership deadlines are on the 15th of the month preceding months of publication - - Jan. 15, April 15, July 15 and October 15. Persons joining or renewing their membership must have their application into the Winston-Salem Post Office Box by these deadlines to receive the next upcoming Repeater Journal in February, May, August and November. Memberships received after any deadline will not receive next to be published Journal, but instead will receive the forthcoming issue the following quarter. HOT-P Associate Memberships are limited to one year duration at $10.50 per year. HOT-P, your Journal is mailed on Friday FIRST CLASS mail. Regular memberships are mailed on MONDAY, Third Class Bulk. CVRA-SERA does not issue receipts for Membership applications. Members should wait until next Journal comes out to report any problems to the Associate Membership Chairman, P.O. Box 24292, Winston-Salem, N.C. 27114-4292. Associate Members may hold appointive positions within CVRA-SERA.

About Full Repeater Membership . . .

Officers and Directors are elected from repeater representatives who are Full Members. Any repeater owner or club may join CVRA-SERA as a Full Member if they have an operable repeater on the air. Full Membership application, coordination information (if not on file) and $15.00 should be submitted for the annual Full Membership fee. Two Full Members receive the Journal from each application. The Full Member repeater is also appropriately recognized as a CVRA-SERA supporter in the repeater index. Full Memberships all expire on December 31 of each calendar year.

About the Repeater Journal . . .

The CVRA-SERA REPEATER JOURNAL is published quarterly, during the months of February, May, August and November of each year and mailed free to members of CVRA-Southeastern Repeater Association, a seven state repeater coordinating organization made up of repeater owners and users. Permission is granted for use of material contained in the REPEATER JOURNAL provided proper credit is given. The REPEATER JOURNAL Editor will swap newsletters with other Repeater Councils and News organizations upon written request. DEADLINES: Ad space reservations are the 20th of the month, and ad copy due the 1st of the next month, ONE MONTH prior to publication. News deadlines are the first of the month prior to publication month. The REPEATER JOURNAL is entered as Third Class Mail at the Post Office in Greensboro, N.C. Cover price for the REPEATER JOURNAL is $2.50. All news and Newsletter exchanges should be mailed to the editor: Wayne C. Williams, K4MOB, 600 Lakedale Road, Colfax, N.C. 27235.

Just Where Do We Find Ourselves?

PR Docket No. 85-22 — The Coordination Rules

— by Wayne C. Williams, K4MOB
Editor, The Repeater Journal

I'm kind of glad we had a few months to digest just what 85-22 means. Although we've read many publications trying to explain it, I found that most editors like myself decided to play it conservative and do a lot of quoting, rather than try to pick out just what some of the phrasiology means.

We have chatted at length with FCC Field Engineers and they differ on just what will be the final authority on Coordinating Councils such as CVRA-SERA, as they interpret the new rules.

Docket No. 85-22 was adopted by the Commission on April 21. It was released on May 2nd and became law July 12th. 85-22 had commonly been called the "Coordinator Docket" or "Repeater Docket" over the past months. In it, the Commission wanted to find out just what Amateurs and Repeater Councils wanted in the rules to solve problems which were beginning to pop up around the country with existing rules, which had no teeth in them for any coordinating body.

In part, the rules rewrite, Part 97.3, paras. (k), (r) and (aa) are revised to read:

(k) **Coordinated station operation.** The repeater or auxiliary operation of an amateur station for which the transmitting and receiving frequencies have been implemented by the licensee in accordance with the recommendation of a frequency coordinator.

(r) **Harmful Interference.** Interference which seriously degrades, obstructs or repeatedly interrups the operation of a radiocommunication service.

(aa) **Frequency Coordinator.** An individual or organization recognized in a local or regional area by amateur operators whose stations are eligible to engage in repeater or auxiliary operation which recommends frequencies and, where necessary, associated operating and technical parameters for amateur repeater and auxiliary operation in order to avoid or minimize potential interference.

Much can be read into the nitty gritty duties and authority of a coordinator from the definition, but so far, no one has come up with actual words that could be laid down in a coordinating policy for a coordinator. Until such a time, the various coordinators will have to interpret the new language, set their policies, and implement them to the best of their ability.

And. . . From the Docket. . .

In the Discussion portion of the Docket release, the Commission said the number of Amateur operators has grown from 275,778 in FY 1972 to over 418,201 in February of 1986. During this period the number of amateurs participating in repeater operation has steadily increased. The Commission said reported instances of interference to amateur repeaters from other amateur repeaters had jumped from 30 in FY 1983 to 111 in FY 1984, and 100 in FY 1985. To deal with this trend, the FCC said they were proposing rules to ENHANCE current volunteer coordination efforts, not replace them.

The Commission said that an FM repeater operation required established fixed frequencies not like other Amateur services, therefore, while no amateur "owns" a frequency, this type of coordination through volunteer frequency coordinations is the minimum joint effort by the amateur community needed to facilitate repeater operation.

In the release, the FCC said that most disputes between coordinated repeaters involve repeaters under the jurisdiction of different coordinating bodies, and usually one of these repeaters should never nave been coordinated. The commission said they didn't feel a "National Coordinator" would be in the best interest, they did feel the ARRL offer to create a national repeater database was to be applauded and did recommend that local coordinators participate in a regional or umbrella entity.

Voluntary vs Mandatory Coordination

Many of the commentors on the docket suggested requiring prospective amateur repeater operators to obtain coordination from a recognized coordinating entity before commencing operation. Some favored coordination in large metropolitan areas only.

The commission said, "We are not prepared to impose so drastic a remedy as a requirement that all amateur repeaters be coordinated without first determining whether the rules we adopt today will suffice. If repeater-related interference problems continue to increase in the Amateur service without adequate voluntary resolution, then perhaps we may need to examine whether to pursue such a course in the future."

The Commission also felt that while tone-operated squelch and other spectrum-efficient technologies may be desireable generally, their utility in solving particular repeater interference problems must be determined on a case-by-case basis by the local or regional coordinator, so no rules were adopted to mandate use of any particular technology.

Local Coordinator Functions

Several coordinators in their comments to the commission on Docket 85-22 felt coordinators should be able to:

(1) Deny requests for coordinator in congested bands or require the use of less congested bands. (2) Set aside frequencies for certain operating modes. (3) Limit antenna height and effective radiated power; (4) Require special access requirements as a prerequisite for coordination.

The commission said, "All these functions except band planning are legitimate functions of an amateur frequency coordinator. Even the band planning function, although voluntary and possibly regional or even national in scope, certainly will involve the repeater coordinator to some extent".

The FCC said they felt the rules dealing with restriction of repeater power and antenna height above average terrain are at best redundant and, at worst, may unduly constrain local coordinators. Those portions were taken from the rules, and in doing so, the commission feels they can maximize the flexibility of local coordinators.

Decoordination of Repeaters

Many repeater councils expressed a wish to be able to decoordinate repeaters for failure to commence operation, for not being is use for a lengthy period of time, for not being accord with established national or regional band plans, or for departing from previously agreed upon voluntary technical standards.

The Commission agreed that decoordination, like coordination, is vital to the proper usage of repeaters so long as both are done according to criteria which are known to the local amateur community. The Commission also said they want voluntary resolution of repeater interference disputes at the local or regional level by amateurs themselves. At the same time, they said, it is important to support the decision of the local coordinator, and believe the rules contained in the Appendix achieve this objective without interjecting this agency into the volunteer coordination process.

Continued on Page 40

WA4YR SARC SHELBY AMATEUR RADIO CLUB

HAMFEST

SHELBY

Sponsoring The Largest And Best Hamfest In The South!

SHELBY N C

Labor Day Weekend. . .

The Shelby ARC Proudly Presents

The 29th Annual - ARRL Sanctioned

1986 SHELBY HAMFEST

AUGUST 30 & 31 SAT & SUN

Cleveland County Fairgrounds

(U.S. 74E Business at N.C. 180)

$4.00 for PRE-REGISTRATION (Use form), $5.00 at the gate. All tickets good for both days. Children under 12 FREE. Send S.A.S.E. for Pre-Registration tickets. Orders received after August 15, will be held and available at Front Gate.

The Complete Hamfest

Camping, Full Hookups
Old Friends
Mall, 1/2-mile
Prizes, The Best & Parking Free
Ladies' Activities, Shuttle Bus
Easy Access
Terrific Trading Grounds
Exams

For Dealer Registration:

Stephen T. Roberts, N4FMH Chrmn
207 Osborne St.
Shelby, N.C. 28150
(704) 482-1276 Aft. 4 pm

Barbara Elliott, N4MRZ
P.O. Box 191
Fallston, N.C. 28042
(704) 538-7919 Aft. 1 pm

For General Hamfest Info.

John Ledford, N4GOQ
3410 Oakcrest Drive
Shelby, N.C. 28150
(704) 482-4507

Larry Vassey, N4IJB
Rt. 5, Box 24
Shelby, N.C. 28150
(704) 487-0470

MANY, MANY VALUABLE PRICES TO BE GIVEN AWAY!

Pre-Registration: ICOM IC-2AT H/T With BC-35 Charger
Saturday Prize: Kenwood TM-2550A 2-Meter Transceiver
Sunday Prize: 1st Prize: ICOM IC-751A HF with Ext. P.S.
Second Prize: ICOM IC-735 HF Transceiver
Third Prize: KENWOOD TM-2550A 2-Meter Transceiver

Drawing will be held both days at 2:00 p.m. Need not be present to win any of the major prizes.

No Member of the Shelby ARC or Immediate Family is Eligible to win any prizes.

OTHER FABULOUS SHELBY HAMFEST ATTRACTIONS:

Food - Food Service on the grounds, including Shelby's famous Bar-B-Que and other fine foods. Most of Shelby's fine restaurants are within a one-mile drive.

Facilities: Indoor buildings for all new equipment dealers. Over 15 acres for all types of tailgating. Plenty of FREE parking.

Over-Nite Camping: Facilities include 40 sites with full hook-ups, water, sewer, electricity and ample power to run your air conditioner. Sites available on first-come basis and none will be reserved under any circumstances. Unlimited field space for self contained units.

Activities: For the ladies, the business community of Shelby will sponsor free shuttle buses to uptown Shelby and local shopping mall on Saturday from 9 a.m. to 5 p.m., departing every 30 minutes. Sunday school to be held Sunday morning on hamfest grounds. Time will be announced. Bingo for the ladies on Sunday morning.

Nearby Motels: SHELBY-Holiday Inn, Governors Inn. KINGS MOUNTAIN-Holiday Inn. GASTONIA-Midtown, Howard Johnson, Holiday Inn, Scottish Inn. GAFFNEY-Holiday Inn. FOREST CITY-Gardo's, Big Horn, Goode's. LINCOLNTON-Town & Country. HICKORY-Howard Johnson, Holiday Inn, Mull's Ramada Inn.

VOLUNTEER EXAMINATIONS BY CHARLOTTE VEC-Saturday, Aug. 30 ONLY. 9:00 a.m. at Cleveland Technical College adjoining Hamfest grounds. Send completed Form 610 (June 1984), photocopy of present license, check or money order for $4.00 fee to CHARLOTTE VEC, 227 Bennett Lane, Charlotte, N.C. 28213. CUT-OFF date August 23. Appointment tickets will be mailed. NO WALK-INS. Applicant must bring original copy of present license to place of examination.

FREE PARKING

Across Road From
Main Entrance
On
Paved Lighted Lot
Handicapped &
Tailgaters Use
Gate Near Intersection
Of Hwy 74 Business
And Hwy 180

YOU MUST BE A TAILGATER
TO ENTER FLEA MARKET
AREA IN A VEHICLE

HAMFEST TALK-IN 146.28-88

Pre-Registration Tickets Received after August 15 – Will be held at Gate!

The Shelby Hamfest

W4NYR
SARC LUB
SHELBY AMATEUR RADIO CLUB

ARRL

Pre-Registration Form

I would like to Pre-Register for the SHELBY HAMFEST.
Enclosed is my check for:

_____ Hamfest Tickets @ $4.00 each ..... $_____

Total ..... $_____

UNDER 12 FREE

NAME_____ CALL_____

ADDRESS_____

CITY _____ STATE_____ ZIP _____

SASE PLEASE

MAIL TO: REGISTRATION, SHELBY AMATEUR RADIO CLUB
P.O. BOX 2206, SHELBY, N.C. 28151-2206

RJ-8

********** ANNOUNCING THE 2ND ANNUAL **********

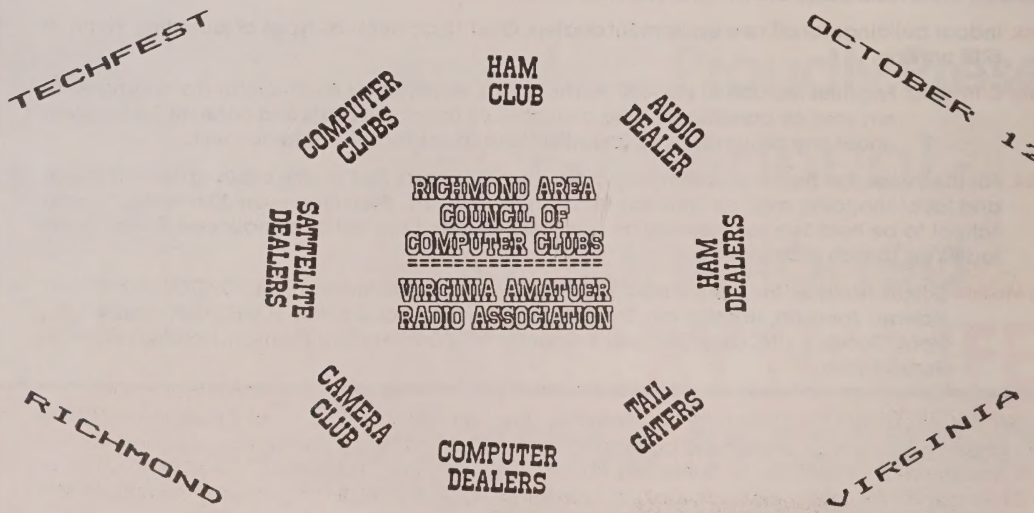
* RICHMOND TECHFEST *

ARRL APPROVED

FALL AMATEUR RADIO AND COMPUTER FEST
SUNDAY OCT. 12, 1986
VIRGINIA STATE FAIRGROUNDS, LABURNUM AVE., RICHMOND, VA.
HOURS: 8:30 AM TILL 3:00 PM
TALK-IN: 146-04-64

---

*FREE PARKING *HOURLY PRIZES *CONCESSIONS *GRAND PRIZE *TAILGATING



ADVANCE REGISTRATION FORM

NAME: _____ BUS. NAME: _____

ADDRESS: _____ CITY: _____

STATE: _____ ZIP: _____ TELEPHONE: _____

PLEASE RESERVE/CONFIRM _____ INSIDE TABLES AT $8:00 EACH
PLEASE RESERVE/CONFIRM _____ TAILGATE AREAS AT $4.00 EACH
PLEASE SEND _____ TICKETS AT $4.00 EACH OR 3/ $10.00
(EVERYONE MUST PURCHASE A TICKET-EVEN TABLE RENTERS)

MAKE CHECKS PAYABLE TO
* RICHMOND TECHFEST *
C/O ROYCE OVERTON
8219 TARKINGTON DRIVE
RICHMOND, VA. 23227

TOTAL ENCLOSED $ _____

The Story of "Petie" Lineberry

— by Wayne C. Williams, Editor

(We are grateful to Bob Cecil, WA4LNT of Dublin, Va., and The News Journal, of Radford, Va. for providing us information and pictures for this story.)

MICHELLE "PETIE" LINEBERRY
Daughter of Bill, WB4TGT

The Sunday Morning "News Journal" had big headlines - "Petie awake, smiling and wanting Coke." For those who had been following the life of Michelle "Petie" Lineberry, this was wonderful news.

Petie had just received a new heart from an unidentified Dallas, Tx. donor. The transplant operation had begun at 6:15 a.m. Friday, June 13. Now on Sunday, she was doing "very well" in the cardiac intensive care unit at the Medical College of Virginia.

Petie is the 20-year-old daughter of Bill Lineberry, WB4TGT of Radford, Va. Her problems started about 2 years ago, when she visited the doctor with a stubborn chest cold. They found a murmur in her heart. A year later, another visit determined that her heart was beating in an erratic pattern and fluid was building in her lungs. At the Medical College of Virginia, they found one side of her heart was completely dead. The muscle chambers were not pumping, just wiggling.

Despite this, Petie went back to Radford University and maintained a B average, finishing the Spring Semester. Then her condition continued to deteriate and she was admitted to the hospital in Radford, then transferred to MCV. Prognosis-she needed a new heart. The decision was made, and a suitable donor was searched for.

In June the donor was found, Petie got her new heart; and is still recovering nicely, but her troubles won't be over. Michelle will be saddled with drug bills that may run as high as $1,200 per month for the rest of her life.

Bill, WB4TGT, unfortunately was laid off at AT&T in Radford just before the operation and lost his hospitalization insurance. Bills from the operation and treatment have exceeded $100,000, and will continue at a clip of about $1,200 a month.

Chance For Life Committee

A committee has been set up to help the Lineberry Family by interested friends in Radford. The "Chance for Life Committee" has been conducting all sorts of fund raising events in the town to help out. Due to the enormous amount to be collected, help is being sought in every possible way.

Bob Cecil, WA4LNT has started a campaign through Amateur Radio to help out his friend and fellow Amateur WB4TGT and Petie. He asked that any or all Amateur radio operators who would like to help out to contact him. Donations may be sent to Bob and he will present them to the "Chance for Life Committee" on behalf of Amateur Radio.

Amateur clubs, repeater groups, hamfest chairmen all might consider ways to conduct a drive to collect funds for this very worthy cause.

You may write Bob Cecil, WA4LNT, Chance for Life Committee, New River Valley ARC, Inc. Drawer 1127, Dublin, Va. 24084. His phone is (703) 674-4121 or 382-3690. He will welcome your call, your letter, and most especially your donation.

This is our opportunity to show a fellow Amateur in distress, what this hobby is all about.

An Important Notice Concerning Associate Membership

Effective July 1, 1986, two major changes took place regarding SERA associate membership. First, regular associate membership dues went from $5.00 to $6.00 per year. Hot Off The Press membership increased to $10.50 with a one year limit. Second, the address to which these memberships are sent has been changed. The new address for the CVRA-SouthEastern Repeater Association is P.O. Box 24292, Winston-Salem, N.C. 27114-4292.

Just When You Thought You Had Heard It All!

Field Day The Easy Way

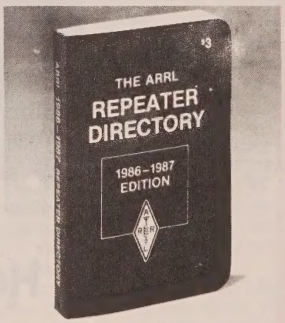
Larry Tyree, N6TR of Beaverton, Oregon, used what may have been the first completely automated computer operated Amateur Radio Station during Field Day this year.

N6TR made a number of CW contacts using a computer and some experimental software. His transceiver was run using battery power. The software turned the receiver, located anyone calling "CQ", answered, made the contact, provided a printout of the QSO then moved on to another "CQ".

The CB Radio Assassin

An 11-meter CB transceiver in La Habra, California was shot to death by an intruder recently. Dennis Carrico was talking on his CB set after midnight when he sensed he was no longer alone. He turned and saw a stranger standing over him with a gun. The intruder told him to turn off the CB and move away... which he did. The gunman then promptly pumped three slugs in the helpless CB Radio. Carrico was unharmed, but his $500 transceiver was destroyed.

Police theorize the gunman might have been an irate RFI recipient.



THE HOT ONE!

Acceptance of our new pocket-sized **1986-87 Repeater Directory** has been phenomenal! There are 10,321 listings in the same size type as in previous editions. The 15th edition, copyright 1986 is $3. Please ad $2.50 for shipping by parcel post or $3.50 for UPS or available from ARRL dealers.

THE AMERICAN RADIO RELAY LEAGUE
225 MAIN ST
NEWINGTON, CT 06111

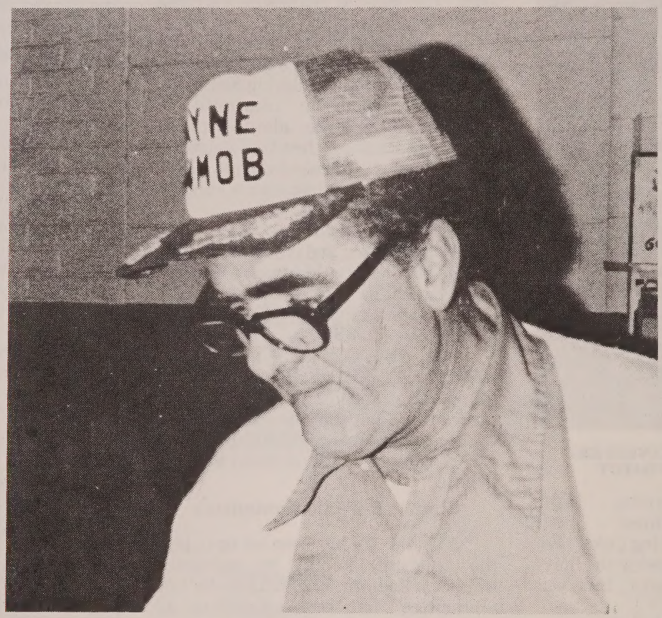
SANTEC • KDK • TOKYO HY-POWER • WELZ • KENPRO • SANTEC

During A Recent 45-Day Sales Contest

THIS MAN Sold MORE

KDK FM-240s and SANTEC ST-20Ts

THAN ANYONE ELSE IN THE NATION!



His Name Is Wayne
He Runs Williams Radio
He Knows His KDKs and SANTECs

GIVE HIM A TRY!

(Maybe He Can Sell You One!)

The Nation's Premier KDK & Santec Dealer!

WILLIAMS RADIO SALES

600 LAKEDALE ROAD, DEPT. R
COLFAX, N.C. 27235

For Orders ONLY - Call Toll Free

1-800-523-0347

NC Call (919) 993-5881

We'll Deduct $1.50 from your Order

NOON to 10:00 PM EST

SANTEC • KDK • TOKYO HY-POWER • WELZ • KENPRO • SANTEC

Full and Associate Membership Dues Increase Effective July 1

Three persons named at the January meeting met via conference call on July 3 and voted unaminously to increase CVRA-SERA Membership dues. The new prices effective as of last July 1 are: ASSOCIATE MEMBERSHIP - $6.00 per year, maximum two years for new or renewal at any time. HOT-P ASSOCIATE MEMBERSHIP is now $10.50, maximum 1 year renewal. (HOT-P is becoming very popular. The member's Journal is mailed 1st Class mail hours after the books are picked up from the printer.) FULL MEMBERSHIP: Repeater Memberships for each calendar year, expiring on December 31 has gone to $15.00 a year.

The group, comprised of Wayne Williams, K4MOB, Journal Editor; Ray Adams, N4BAQ, Treasurer and Carter Cogle, K4ARO, President, agreed the new increases were needed to continue operating in such a manner as demanded by our fellow amateurs, and by the FCC.

The Associate Membership dues went up only $1.00 a year or 25-cents a quarter. A 2-year maximum renewal was placed on Associate. This reason was based on some persons over the past years had renewed for several years in advance, and we are having to provide Journals and service to those people at 1986 costs, but getting 1982 or 1983 prices, which puts us at an operating loss on these members.

HOT-P membership received the extra dollar for the membership, plus adjustments in the cost of now mailing a Journal 1st class mail without a loss.

Full Membership went slightly higher percentagewise than the others. It was brought out that Full Members have the added privilege of having their repeaters listed in the book and acknowledged as member repeaters. The additional cost also covered extra paperwork required for processing Full Members applications and sending copies to all Directors who keep updated records of all the repeaters and their locations, antenna heights, etc. In addition two representatives of that repeater get the Journal, as does Associate members. So the additional $3.00 for Full Membership repeater(s) didn't seem so bad, considering the additional paperwork required for their memberships. Full Memberships run from Jan. 1 thru Dec. 31 each year, and can be renewed for only 1 year.

It was brought out that the Journal, with it's ad price increase last January, continues to provide it's share of revenue in the organization. Unknown costs such as documentation, travel to meet with repeater owners and solving interference problems continue to rise, and these were the main reasons the price increase was justified.

A poll of repeater users at hamfests all year by Directors and appointees noted that more than 95% of those polled did not feel a price increase was prohibitive. Most repeater owners agreed the same for Full Membership, although not quite as high a percentage as did Associate Members. (Editor)

CVRA-SERA Annual Meeting Aug. 30

CVRA-SERA will hold its annual meeting on Saturday night, August 30th at Shelby, N.C. The meeting place has moved to the Holiday Inn in Shelby.

Full Members, Associate Members and Amateurs in the area are invited to attend and see your coordinating council in action. In past years, a dutch treat dinner is followed by a short Board meeting, then is opened to the general amateur public.

President Carter Cogle, K4ARO notes there are three main things on the agenda to be covered. (1) Nominating committee will have to be named for the upcoming District Director/Vice Director election (2) The board will have to discuss and update a rewrite of the organization's coordination policy to conform with new FCC rules, and (3) New Repeater Coordinator's responsibilities will be covered, and our organizations responsibility under the new FCC rules with the Coordination Docket just passed this past May.

Several other items will be discussed at the meeting, including Directors reports, Officers and appointee reports given to those attending.

Announcement will be made at the Shelby Hamfest Saturday afternoon as to exact times. It is generally recommended persons wishing to eat should be there by 6:15 or 6:30 and be ready for the meeting shortly after 7:00 p.m.

Although it is not known how many will attend the meeting, the January meeting has been drawing quite a crowd the past two years, so a larger meeting facility at the Holiday Inn was sought, in case many do come.

Send News And Pictures To The Journal Editor We Want your Stories!

Nomination Forms Coming Next Issue

New Directors and Vice-Directors are due for election this Winter. A nominating committee will be named at the Shelby Hamfest on August 30th, who will be responsible for nominating a Director and a Vice-Director for each of the 7 CVRA-SERA States.

The Repeater Journal will publish a "Nomination from the Floor" form in the November issue, enabling any Full Member who wishes to nominate anyone for either of those offices for his District.

If no nominations are received from the Journal form, the single nominations recommended by the Nominating committee will be automatically be named as elected in late November and will assume office on January 1, 1987.

If additional nominations from the "floor" are received by the secretary, an election will have to be held by ballot for that District before a new Director or Vice-Director is named.

A complete list of nominees by the nominating committee will be listed along with a "Nominating ballot" in the November Journal.

FCC Issues NPRM To Reimpose License Fees

In July, the FCC issued a Notice of Proposed Rulemaking, seeking to implement certain provisions of the Consolidated Omnibus Budget Reconciliation Act of 1985. The act, signed into law in April of this year directs the Commission to begin collecting fees by April 1987. The act also creates a formula for modification of fees, establishes penalities for late payments, exempts certain radio services and entities, and permits waivers and deferrals in specific instances.

Although the Waivers and deferrals never mentions Amateur Radio, the FCC left the door open for these services to be exempted "where such action would promote the public interest."

The Commission stated that fee collections would begin no later than April 2, 1987.

Amateur license fees were suspended in 1977. If the Commission rules that the Amateur Service may be waived under the new rules, Amateurs would continue to receive licenses with no fees required.

Associate Membership

Help your CVRA-SERA. Tell your new ham friends about our service and the Repeater Journal. Get them to join. Only $6.00 per year. All repeater users or Amateur operators in the 7 States should consider CVRA-SERA support.

★ NEW EQUIPMENT ★ USED EQUIPMENT ★ COMPUTERS ★ VEC EXAMS ★ PRIZES ★ PERIPHERAL EQUIPMENT ★ GENUINE JUNK ★

Hamfest Chattanooga

Amateur Radio & Computer Convention

NEW DATE:
September 6 & 7, 1986

Chattanooga - Hamilton County
Convention & Trade Center
Chattanooga, Tennessee

ALL INDOORS
29,000 SQUARE FEET

For Information Write:
Hamfest Chattanooga
P.O. Box 3377
Chattanooga, Tn 37404

★ NEW EQUIPMENT ★ USED EQUIPMENT ★ COMPUTERS ★ VEC EXAMS ★ PRIZES ★ PERIPHERAL EQUIPMENT ★ GENUINE JUNK ★

Holly Ridge Fire - Amateur Involvement

— by Pete Chenery, KI4AN

A forest fire that began on May 5 near the border of Onslow and Pender counties in coastal North Carolina consumed more than 73,000 acres of timberland and game preserves, about 110 square miles, before being controlled eleven days later. Because of a prolonged drought, the fire had ample fuel and moved quickly under the driving force of shifting winds. As this is written, it is the largest simple fire in the U.S. this year.

Starting at the northeast corner of the Holly Shelter Game Lands, the fire moved southwest 12 miles to the town of Hampstead. Then ocean breezes drove it west to the Northeast Cape Fear River, where it turned northeast again. The game preserve is bordered by residential areas and, across U.S. 17 to the east, by extensive retirement communities. At the corners of the burned area are the towns of Holly Ridge, Maple Hill and Hampstead.

The initial response to the fire was by the N.C. Forest Service, using bulldozers with fire plows and aircraft dropping water and fire retardant chemicals. After four days, with the fire still out of control, volunteer fire departments were called in to protect houses as the fire threatened to cross highways into residential areas. On May 9, the fifth day, amateur radio assistance was requested to provide communications with the numerous agencies involved: the Forest Service, more than 300 volunteer fire department crews and vehicles from North and South Carolina, the N.C. Emergency Management Office, the Red Cross and Salvation Army, the National Guard, U.S. Marines and Air Force.

The state Emergency Operations Center in Raleigh requested amateurs from Pender, Onslow, New Hanover and Brunswick counties to man evacuation centers, the fire command center at Hampstead, the Red Cross office in Wilmington and the state Emergency Management office in Wallace. Adrian Perseghin, KA4PAZ, the area emergency coordinator, activated the Four County Emergency Net on the W4DLH repeater located in Burgaw, the Pender county seat. Communications with the state EOC in Raleigh utilized the K4GMP repeater in Wilmington, part of a statewide system of linked repeaters, and the K4ITL repeater in Raleigh.

As the fire moved around the county, staging areas and command posts were established at Rocky Point, Topsail, and Maple Hill for fire fighting equipment used to protect houses. The Forest Service set up its base camp on U.S. 17 at Sloop Point, with aircraft and helicopters operating from a WW II airstrip at Camp Davis near Holly Ridge. Amateurs provided communications from these posts to the central fire command post at Hampstead. A shelter for firefighters was set up at Topsail High School and amateurs were stationed there.

N.C. Highway Patrolmen, Wildlife Officers and Marine Fisheries Inspectors provided traffic control around the area. U.S. Highway 17, a major north-south route through the area, was closed for several days to permit fire equipment to move freely. Heavy smoke from the fires reduced visibility to less than 50 feet in many places. The smoke plume darkened Wilmington, 20 miles to the south, and was seen as far south as Jacksonville, Florida.

The fire crossed U.S. 17 in two places and residents of Sloop Point, Belvedere Plantation, and Olde Point, located between U.S. 17 and the Intracoastal Waterway, were evacuated. Other residents along the Northeast Cape Fear River were also

Continued on Page 13

BUSINESS CARD ADVERTISING

Professional Products, Inc.
WA4SFL
Doug Mayo
Suite G
530 Southlake Blvd.
Richmond, Virginia 23236
Telephone (804) 794-2585
Broadcast
Commercial
Industrial
Video Systems

Gallatin Marina
1198 Lock 4 Road
Gallatin, TN 37066
452-9876
WD4KWP
J. Tom Park
452-3822

REALTOR®
MULTIPLE LISTING SERVICE
(919) 378-1564
JIM McNAIRY
McNAIRY & ASSOCIATES
1616A Battleground Ave.
Greensboro, N.C. 27408
N4EEM

Susan Hill
Computer Technology
Computer Systems and Programming
KA4TME
(615) 397-7195
Rt. 2, Box 623
Dandridge, Tn. 37725

Gilman and Childress
REAL ESTATE
DINA MAYO, KA4NYB
COMMONWEALTH PROF. BLDG.
P.O. BOX 671
ASHLAND, VIRGINIA 23005
HOME (804) 227-3422
WORK (804) 798-6095

AppleGate
REALTOR®
Nan Crowe
Broker Associate
Home Phone: 822-0105
3820 Raeford Road
Fayetteville, N.C. 28304
Office: (919) 864-1222
Toll Free: 1-800-334-8188

KC4DY
JOHN
ELKIN, NC
$4.50 Ppd.
EDITH H. HUFF
4550-A OLD TOWN DR. 725-3315
WINSTON-SALEM, N.C. 27106
3" x 2"
Edith's Etchings, Etc.
MFGRS. CUSTOM MADE SIGNS & NAME PLATES · ENGRAVED OR 3-D
BUSINESS AND WEDDING STATIONERY · HOT STAMPING
20 YEARS EXPERIENCE
OPEN EVENINGS
BY APPOINTMENT

DEALERS, BUSINESSMEN
YOUR MESSAGE HERE
$16.00 A YEAR PREPAID
(4-Issue Contract)
WRITE OUR SALES MANAGER
(1-Year-$16.00 Minimum Contract)

MANAGEMENT SYSTEMS INC.
KA4LVO
W. DAVID WARD
1365 B Westgate Center Drive, Winston-Salem, N.C. 27103
Phone: (919) 768-3698

1986 BLUEFIELD HAMFEST

DIAL **BR549**
(BLUEFIELD REPEATER 145.49)

ADMISSION:
- $4.00
- CHILDREN UNDER 12 FREE

TABLES:
- $5.00 EACH
- $4.00 EACH (FOR 3 OR MORE)

LOCATION:
- BRUSHFORK ARMORY/CIVIC CENTER
- 12,500 SQUARE FEET UNDER ONE ROOF
- FOOD CONCESSION ON PREMISES
- PAVED PARKING
- INDOOR FLEA MARKET

EASY TO FIND:
- U.S. 52 (1 MILE NORTH OF BLUEFIELD, WV)
- TALK-IN (144.89/145.49 REPEATER, 146.52 SIMPLEX)

PRIZES

1st - KENWOOD TM2550A 2M
2nd - SANTEC ST-20T 2MHT
3rd - 6-BAND HF VERTICAL ANT

FOR MORE INFORMATION SEND SELF-ADDRESSED STAMPED ENVELOPE TO:

Jim Perdue
Route 5, Box 457
Bluefield, West Virginia 24701

AERIAL VIEW OF BRUSHFORK ARMORY/CIVIC CENTER

9:00 A.M. to 3:00 P.M. ARRL-Approved Hamfest

SUNDAY, AUGUST 24th

Holly Ridge Fire

Continued from Page 11

evacuated when the fire threatened their homes. N.C. 50, from Maple Hill to Holly Ridge, was closed during the first days of the fire, but no evacuation was necessary for people in either town.

Amateur operations were terminated on Tuesday, May 13, eight days after the start of the fire and five days after the amateur call-up. Approximately 40 amateurs worked in the fire zone, and another 20 operators manned the amateur station at the state EOC in Raleigh. Reed Whitten, AB4W, the state EC, headed the ARES organization involved. He was assisted by Bruce Morris, KI4ME, the Wake county EC; Bob Hewitt, WD4OGS, Onslow county EC; Ella Porter, KA4PAY, Pender county EC; Juliar Bradberry, WD4FTR, New Hanover county EC; Alton Clemmons, K4PPD, Brunswick county EC. Adrian Perseghin, KA4PAZ, EC for the region of the fire, directed activities at the command center in Hamstead and assigned operators to the various area posts as needed.

Some interesting facts emerged from this disaster operation. Almost all of the agencies involved had their own communications systems. Most of the systems could not communicate with each other. Many of the systems were not effective for operation from the field. For example, the Red Cross had radio-equipped vans for delivering food and supplies to their shelters and to firefighters in the field. Initially, all radios were inoperative; after they were repaired, they could only communicate with each other, not with the command post. Amateurs were assigned to ride in the vans to assist in directing them to field positions. At another point, radio communications between the Forest Service base camp and the command center at Hampstead broke down and an amateur was stationed there until the system was restored.

Are Things Right?

The Repeater Journal is your magazine. We want it to be something you enjoy reading and leave you with a good feeling when you finish your reading.

We want your comments, criticisms or complaints so we can put out a better magazine. Keep us on our toes, and we'll do a better job. Your comments may be sent to the Editor. His address is on Page 1.

NC 440 Repeater Finds New Home

— by Carl Briley, N4JEH

The N4JEH Repeater (444.700Mhz) has finally been located at hopefully its permanent home, at Nash General Hospital in Rocky Mount. The repeater, after being located at one of the local city water tanks, became victim of would-be vandals, however no serious damage was done. Since that time Carl N4JEH and AB WN4Z have been looking for a secure, permanent home of the repeater.

Finally, after several months of site-hunting a meeting was arranged with hospital personnel, and amateur radio operators. At this meeting we discussed the benefits of having this equipment located at the hospital and explained the nature of public service as well as services amateur radio operators could provide. All hospital personnel were in full support of having this repeater located at the hospital

The repeater is now fully operational consisting of the following equipment: an Icom RP 3010, Vocom 100 watt RF amplifier, CES duplex interconnect, Wacom BpBr duplexer, Astron RM 50 power supply, and connection to the hospital emergency power. The antenna, a DB Products 8 pole array, is mounted on the existing Rohn 25 tower atop the hospital.

TOKYO HY-POWER AMPLIFIERS

For 2-Meters - All Have Pre-Amps

HL-35V 1-5W in - 35W out (FM) $79.95
HL-35V/L Same as HL-35V-All Mode $82.95
HL-62V 10W in-60W out All Mode $145.95
HL-85V 10W-in 80W out All Mode $189.95
HL-110V Lo/Hi in 100W out All Mode $269.95
HL-160V Lo/Hi in 160W out All Mode $349.95
HL-160V/25 25W in-160W out All Mode $319.95

For 220 Mhz. All Have Pre-Amps

HL-22V 3W in-20W out (FM) H/T $89.95
HL-102V 10 or 25W in-90W out All Mode $269.95

For 440 Mhz. All Have Pre-Amps

HL-30U 2W in-30W out All Mode $135.95
HL-60U 12W in-60W out All Mode $199.95
HL-120U 12W in-100W out All Mode $389.95

Mast Mounted GAasFet Pre-Amps

HRA-2 for Two Meters $129.95
HRA-7 for 440 Mhz $139.95

HF Amplifier 80-15 Meters by THP

KL-1/KA 600W PEP OUT Table Top $859.95

WELZ Power Meters/SWR Bridges

SP-10X Compact 1.8-150 Mhz 200W $42.95
SP-122 1.6-60 Mhz 20/200/2KW $89.95
SP-220 1.8-200 Mhz 2/20/200 W $64.95
SP-225 1.8-200 Mhz. 5/15/150w 2-meters $119.95
SP-230 1.8-150 Mhz. I 5/150W Mobile $59.95
SP-350 1.8-500 Mhz. 200W 2 sensors $105.95
SP-380 Mobile 1.8-500 Mhz. 2 sensors $95.95
SP-420 140-525 Mhz. 2/20/200 SO-239 ..... $75.95
SP-425 140-525 Mhz. 5/15/150W 2 Meters "N" ... $119.95
SP-430 140-450 Mhz. 5/60W Mobile $59.95
SP-450 140-470 Mhz. 50/300/1500W "N" $129.95
SP-600 HF-500 Mhz. 3 sensor 20/200/2KW $175.95
SP-825 1.8-Mh-1.3 Ghz. 2/15/150W $175.95
CT-530 DC-450 Mhz. 500W PEP Dummy Load $91.95
CT-1010 DC-150 Mhz. 1 KW PEP Dummy Load ... $109.95

NO CREDIT CARDS. Please add $1.50 UPS shipping. N.C. residents add 4-1/2% Sales Tax. Phone C.O.D.'s add $1.90. N.C. res. call regular number, we'll ship free to pay for your phone call, on orders over $50.00.

The Nation's Premier KDK & Santec Dealer!

WILLIAMS RADIO SALES

600 LAKEDALE ROAD, DEPT. R
COLFAX, N.C. 27235

For Orders ONLY - Call Toll Free
1-800-523-0347
NC Call (919) 993-5881
NOON to 10:00 PM EST

WEST ANTENNA SERVICE – YOUR SOURCE FOR ROHN TOWERS AND ACCESSORIES

Rohn 25-G Straight Sections

In addition to a large stock of straight tower sections, we also have flat and sleeved top sections, trust bearings, house brackets, short base sections, rotor plates, guy assemblies, guy wire, cable clamps, turnbuckles – you will need for a complete tower installation.

Utility Poles & Hardware

We have a limited variety of utility pole hardware and can supply utility poles in the Greensboro, N.C. area.

Scotchkote Electrical Coating

Made by 3-M Co. Can be used for underwater connections also. A 15 oz. can will do 50 to 100 connections.

15-oz. can Scotchkote coating $8.00

WEST ANTENNA SERVICE HAS ROPE

ALL TYPES OF ROPE AVAILABLE

SIZES FROM NO. 4 TO 1-INCH
Call for Prices on Sizes and Types

West Antenna has a huge inventory of all types of synthetic rope in all sizes to fit your every need. Write or call for a free rope catalog. Large or small, your rope requirements can be met by us.

Some Types we Stock:

- **Unmanila** – looks like manila . . . feels like manila . . . but it's not, it is a new polypropylene fibre
- **Polypropylene** – 3 strand twisted . . . a first class 3-strand twisted 100% mono filament polypropylene rope, twice as strong as manila.
- **Mariner** . . Diamond Braid Polypropylene rope, 8 strands, a real work horse. Easy to splice resistant to damage by rot, abrasion, oil grease.
- **Twisted Nylon rope** . . . regular 3-strand, medium lay nylon rope, the strongest rope in general use today. Will stand sudden shock.
- **Solid braided Nylon Cord** . . . very strong, soft lightweight, resistant to rot, abrasion, mildew, with shock absorbing elasticity.

Plus many more kinds and sizes and strengths

Check These Rope Specials:
BLACK TWISTED POLYPROPHELENE

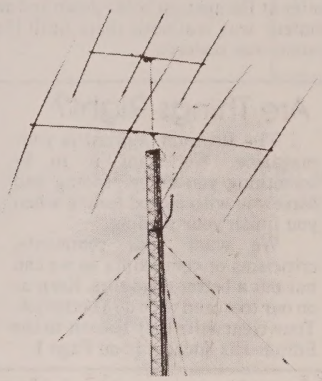
Good for dipoles or overhead supports on beams at a very low cost. Lasts two or three times longer in the sun than regular poly rope.

1/4-inch 4-cents/foot
600-foot spool 16.88
1,000-foot spool 26.88

3/8-inch 8-cents/foot
600-foot spool 37.50

Hard Line and Connectors

West Antenna Service can also supply 1/2 and 7/8-inch hard line in aluminum or copper. We also have a limited stock of hard line connectors. If we do not have the connectors you need, they can be supplied within approximately 10 days.



BATTERY TAPS

Assembly provides connection to battery cable on the new side-terminal batteries, or any connection situation where terminals are not accessable. Slips over cable and set screw penetrates jacket for contact. Radio wire slipped into hole and second set screw tightens. Has proven quite adequate for high current needs.

Battery Taps ..... 4.95 ea.

POLYPHASER Lightning Suppressers

High quality commercial units. Low loss, low noise. Frequency range through 1 Ghz. Bulkhead and inline types available, including rotor cable and D.C. control lines. Call for prices.

2-way shops are urged to check for Dealer Pricing.

MISCELLANEOUS

PL-259 CONNECTORS (U.S. Made) .....65¢ ea.
10 or more .....60¢ ea.
UG-175 or 176 ADAPTERS.....30¢ ea.
10 or more .....25¢ ea.

Other Tower Accessories

Aluminum mast pipes, feature 2-inch OD 6061 tubing with 1/4-inch wall.

12-foot lengths, 19 lbs. - In Stock
24-foot lengths, 38 lbs. - In Stock

Touch rust spots on your tower and antenna bolts with RUSTOLEUM, cold galvanizing.

Large 20-oz. Industrial spray can ... $6.00

Stainless Steel Strapping Kits

Stainless steel strapping kits, for strapping hard line or multiple runs of Coax. Kits come with 25, 50 or 100-feet of stainless steel strapping and buckles.

25-foot strapping kit $18.00
50-foot strapping kit $25.00
100-foot strapping kit..... $36.00

FOR THE ULTIMATE MOBILE INSTALLATION

We have what you need — wire, fuse blocks, fuses, connectors, relays! You want your Mobile Low band or amplifier installation to work efficiently. We have the proper wire, fusing and parts needed for a perfect installation.

WIRE – Single Conductor-Stranded,
red or black vinyl insulation . .
#10 wire.....30¢ per foot #14 wire.....20¢ per foot

FUSE BLOCKS – Our fuse blocks are rugged holding fuses much larger than the little 3AG glass type. This prevents overheating and voltage loss with high currents. Set screws in end of fuse blocks will accept wire up to #6.

30-Amp Fuse Block $4.95
60-Amp Fuse Block $5.95

FUSES—5,6,7,8,10,20,25,30 Amp ....80¢ each
35,40,45,50 & 60 Amp. Fuses also available upon request.

RELAYS—These Motorola Type A style relays can be installed near the fuse block in the fenderwell and remotely switched under the dash with a small toggle switch. Excellent for switching high current lines. Relays are a closed type with screw terminals for mounting. .....Special $13.95

40-Amp cont. duty, solenoid-type, 12V 19.95
(Commercial Dealers, call For Dealer Prices)

OTHER ACCESSORIES AT GOOD PRICES!!

GUY WIRE INSULATORS – Compression-type porcelin. Approx 1½x2½-inches, 3/8-inch hole
Insulators .....$2.00 each 10 or more ....$1.80 each

STEEL WIRE – Zinc coated. Can be used for antennas or light guy wire, not recommended for tower guying. Sold in 10 lb. coils only.

#9 approx. 170-ft. $13.00
#12½ approx. 382-ft..... $13.00

14-gauge Solid Copper THHN insul.
500-ft. spool $15.00

WEST ANTENNA SERVICE

Harwood West, WB4RLO • Local Call 621-2473

ROUTE 6 BOX 529-A
GREENSBORO, N.C. 27405

CALL TOLL FREE 1-800-334-4252
NC RESIDENTS 1-800-632-0389

PACKET RADIO FROM WILLIAMS

Kantronics KPC-2
Packet
Communicator II
$199.95

UNIVERSAL - compatible with any computer having a serial, asynchronous 1/0 port. RS232 or TTL level ope-ation. Includes VHF and HF modem, Full Duplex capability. 16K RAM standard, expandable to 32K. Complies with FCC part 15. Any terminal or communications software program can be used between computer and TNC.

WILLIAMS RADIO is pleased to now be an authorized KANTRONICS dealer. We will be carrying the latest Kantronics PACKET equipment.

AEA PK-80

PK-80 TNC **$205.95**
Universal

TAPR TNC-2 clone. PK-80 will interface with any ASCII terminal or a personal computer and standard terminal software. Complies with FCC part 15 subpart J requirements.

AEA "PAKRATT"

"PAKRATT" PK-64 TNC **$205.95**
For Commodore With HFM-64 Installed $304.90

TAPR boards. Operate packet, RTTY, Morse and AMTOR. Rqrs. HFM-64 Enhanced HF Modem for Morse Rec. & FM RTTY.

HFM-64 HF Modem 99.95

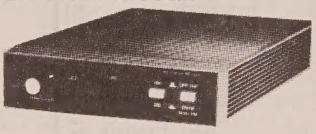
NEW! PK-64A TNC
$255.95 *Same styling as PK-64!*

New software & hardware enhancement of the PK-64. *Incr. buffer size *Change channels without "ACK" *FADCA Callsign compatibility *Control X Buffer Displayed *F5 Parameter curser placement *PTT Indication on Screen *Retry counter *Flexible computer cable. and more!

With HFM Modem $354.90

NEW FROM AEA!
PL-232, An all mode universal Packet TNC. Work RTTY, CW, ASCII, AMTOR and Packet on ANY computer. Call or write for info.

AEA PACKET MODEM



PACKET MODEM
Model PM-1 **$155.95**

Upgrade virtually any TNC for H.F. packet operation. The new PM-1 interfaces between your present TNC and your radio with no internal modifications.

VHF/UHF ANTENNAS FROM WILLIAMS

NEW! Larsen Telescoping (BNC)
2-M 1/2-Wave for Your H/T $24.95

AEA Hotrod (2-M, 220 & 440 Mhz) (BNC)
1/2-Wave for Your H/T $16.95

Larsen Helical Quarter-Wave Duck
2-M & 220 Mhz. (Specify IF ICOM) $18.00

Larsen Standard Helical Rubber Ducks
2-M, 220, 440 with BNC $10.95

Larsen Stout (Stubbie) Duck (BNC) 2-M $10.95
Larsen 1/2-Wave Duck for 440 (BNC) $10.95
VOCOM-220 Mhz. H/T 5/8 telo $16.95

Larsen 5/8-Wave Mobile Antennas
2-Meters or 220 Mhz., Colinear for 440.

Mag. Mt. $39.95
Trk. Lip Mt. $39.95
Trk. Lid (L-Brac) $38.95
Perm Mt. $36.95

Dual Band (2-M/440) Antennas for Mobile

Larsen PO or NMO Type Coil & Whip $35.95
PO and NMO mounts priced from $19.95 up
Diamond EL-770H (PO type Mt rqr).....$31.95
WELZ DF-72S 2-M/440 Duplexer.....$26.95
Standard 1/4-Wave Mag Mt Antennas.....$12.95
Mag. Mount antenna with BNC plug $14.95

AEA Isopoles Base Station Vertical Antennas
(2M) (220 Mhz) . 45.00 (440 Mhz) . 65.00

NO CREDIT CARDS. Please add $1.50 UPS shipping. N.C. residents add 4-1/2% Sales Tax. Phone C.O.D.'s add $1.90. N.C. res. call regular number, and we'll ship free to pay for your phone call, on orders over $50.00.

The Nation's Premier KDK & Santec Dealer!

WILLIAMS RADIO SALES

600 LAKEDALE ROAD, DEPT. R
COLFAX, N.C. 27235

For Orders ONLY - Call Toll Free
1-800-523-0347
NC Call (919) 993-5881
NOON to 10:00 PM EST

The Journal Repeater Index is the property of CVRA-Southeastern Repeater Assn., Inc. Computerized lists are maintained and updated 4 times a year for each issue of the REPEATER JOURNAL. Permission without writing is granted to individuals, clubs or organizations to use or reprint the Journal Repeater Index provided proper credit is given. CVRA-SERA cannot be responsible for incorrect or omitted listings. We make every attempt to keep our index as accurately as possible with information provided. Our lists contain certain repeaters which are not on the band plan or are uncoordinated solely to keep our readers informed of all repeaters. CVRA-SERA does not necessarily condone or favor such repeaters. Changes to the index may be made in writing to your State Director.

DISTRIBUTION OF REPEATERS BY FREQUENCY

The By-City Index Appears On Following Pages

2 METERS

5.01 /PKET	ADEL	GA
	AUGUSTA	GA
	CLARKSVILLE	GA
	COHUTTA	GA
	COLUMBUS	GA
	CUMMING/SAWNEE	GA
	FORSYTH	GA
	HAMILTON/PINE MT	GA
	HAMPTON	GA
	PERRY	GA
	ROBERTA	GA
	CHARLOTTE	NC
	CONCORD	NC
	GOLDSBORO	NC
	RALEIGH	NC
	SAURATOWN MT	NC
	SPIVEY MTN	NC
	ANDERSON	SC
	CHARLESTON	SC
	COLUMBIA	SC
	CONWAY	SC
	FLORENCE	SC
	LANCASTER	SC
	SUMTER	SC
	KNOXVILLE	TN
	KNOXVL/CROSS MT	TN
	PIKEVILLE	TN
	SHORT MT	TN
	CHARLOTTESVILLE	VA
	GLEN ALLEN	VA
	VIRGINIA BEACH	VA
	WYTHE/PULASKI	VA
	HUNTINGTON	WV
	LOGAN/BLAIR MT	WV
	MORGANTOWN	WV
	ST ALBANS	WV
5.05 /PKET	MACON	GA
	WARNER ROBINS	GA
5.07 /PKET	COLFAX	NC
5.09 /PKET	ALBANY	GA
	AMICACOLA MT	GA
	COHUTTA	GA
	FAIRMONT	GA
	ROME	GA
5.23 /PKET	HAMPTON	VA
5.33 /PKET	MEMPHIS	TN
6.50 /2.525	CLARKSBURG	WV
7.43 /4.93	LYNCHBURG	VA
4.51 /5.11	AUGUSTA	GA
	COLLEGE PARK	GA
	DECATUR	GA
	COLUMBIA	NC
	SAURATOWN MT	NC
	MYRTLE BEACH	SC
	KNOXVILLE	TN
	RICHMOND	VA
	SALT ROCK	WV
4.53 /5.13	NEWNAN	GA
	VALDOSTA/TIFTON	GA
	AHOSKIE	NC
	GREENWOOD/HODGES	SC
	CHATTANOOGA-RTTY	TN
	LAFOLLETTE	TN
	GALAX/LKOUT MT	VA
4.55 /5.15	PIKEVILLE	EKY
	ALBANY	GA
	ATLANTA/GA TECH	GA
	MILLEDGEVILLE	GA
	MORENTN/HI PK	NC
	DECATUR-PONE KB	TN
	FRANKLIN	TN
	MARMET/BEE MT	WV
	MARTINSBURG	WV
4.57 /5.17	JONESBORO	GA
	NEWTON	NC
	OXFORD	NC
	LENOIR CITY	TN
	MURFREESBORO	TN
	BOLT MT	WV
4.59 /5.19	HAMILTON/PINE MT	GA
	MT MITCHELL	NC
	JASPER	TN
	LEBANON	TN
	WHEELING	WV
4.61 /5.21	TYRONE	GA
	LEWISVILLE	NC
	TRENTON	NC
	GASTON	SC
	KNOXVILLE	TN
	KILMARNOCK	VA
	HUNTINGTON	WV
4.63 /5.23	MIDDLESBORO	EKY
	DALTON	GA
	SAVANNAH	GA
	CHARLOTTE	NC
	MURFREESBORO	TN
	BEDFD/APL ORCH	VA
4.65 /5.25	DALTON	GA
	FOREST PARK	GA
	GOLD HILL/GBO	NC
	CHARLESTON	SC
	FISHERVILLE	TN
	NASHVILLE	TN
5.65 /5.25	DALTON	GA
4.67 /5.27	WALESKA/PNLGMT	GA
	HENDSVL/BERWLW M	NC
	RALEIGH	NC
	HENDERSONVILLE	TN
	SEV/SHIELDS MT	TN
	MANASSAS	VA
	CRAIGSVILLE	WV
4.69 /5.29	PRESTONSBURG	EKY
	ATLANTA	GA
	ROSWELL	GA
	CHARLOTTE	NC
	SHALLOTTE	NC
	CHATTANOOGA	TN
	ELZ/JC/HLST MT	TN
	NASHVILLE	TN
	CHESAPEAKE	VA
	ELKINS	WV
4.71 /5.31	ATLANTA	GA
	COLUMBUS	GA
	ROANOKE RAPIDS	NC
	ROCK HILL	SC
	ATHENS	TN
	JACKSON	TN
	ALEXANDRIA	VA
	LAYLAND/MANN MT	WV
4.73 /5.33	JONESBORO	GA
	MT AIRY/TRNR MT	NC
	BAMBERG	SC
	CUMBERLAND CTY	TN
	KNOXVILLE	TN
	PARSONS	WV
	WILLIAMSON	WV
4.75 /5.35	HARLAN	EKY
	DECATUR	GA
	ROSSVILLE	GA
	SANDY SPRINGS	GA
	CHARLOTTE	NC
	GREENVILLE	NC
	HUMBOLDT	TN
	NASHVILLE	TN
	BLAND	VA
	FALLS CHURCH	VA
4.77 /5.37	COLUMBUS-RTTY	GA
	JASPER	GA
	N. WILKESBORO	NC
	KNOXVILLE	TN
	GLOUCESTER	VA
	BECKLEY/EOC	WV
4.79 /5.39	GRIFFIN	GA
	MONROE	NC
	RALEIGH	NC
	CHATTANOOGA	TN
	GREENEVILLE	TN
	HERMITAGE	TN
	STANTONVILLE	TN
	GALAX	VA
	WESTON	WV
4.81 /5.41	ATLANTA/BELL	GA
	HIGH POINT	NC
	WILLIAMSTON	NC
	GREENEVILLE	TN
	MEMPHIS	TN
	LIBERTY	WV
4.83 /5.43	ATLANTA/SWEAT MT	GA
	MACON	GA
	SPARTA/GREEN MT	NC
	COLUMBIA	SC
	KNOXVILLE	TN
	RICHMOND	VA
	CHARLESTON	WV
	MORGANTOWN	WV
4.85 /5.45	LEXINGTON	EKY
	ATLANTA	GA
	JACKSONVILLE(FL)	GA
	CROWDERS MT	NC
	DURHAM	NC
	NEWPORT	NC
	BENTON	TN
	SPRING HILL	TN
	WELCH	WV
4.87 /5.47	SWEAT MTN	GA
	KINSTON	NC
	LILLINGTON	NC
	SAURATOWN MT	NC
	INMAN	SC
	KNOXVILLE	TN
	MOUNTAIN CITY	TN
	NASHVILLE	TN
	ARLINGTON	VA
	KINGSTON/LICK KB	WV
4.89 /5.49	AUGUSTA/AIKEN,SC	GA
	CORDELE	GA
	MARIETTA	GA
	FRANKLIN	NC
	RALEIGH	NC
	RKY RDG/WALLACE	SC
	MCMINVL/SHT MT	TN
	MEMPHIS	TN
	BLUEFIELD	VA
	BLUEFIELD	WV
5.175/5.775	WRENS	GA
6 655/6 055	BROWNSVILLE	TN
6 835/6 235	HAMILTON	GA
6 895/6 295	HARTWELL	GA
6 925/6 325	COVINGTON	GA
6.01 /6.61	COLUMBUS	GA
	WARNER ROBINS	GA
	GREENSBORO	NC
	NEW BERN	NC
	CHELSEA	SC
	GRNVLE/CSRS HD	SC
	MYRTLE BEACH	SC
	CHATTANOOGA	TN
	NASHVILLE	TN
	BROMLEY MT	VA
	CHESAPEAKE	VA
	LYNCHBURG	VA
6.025/6.625	UNION CITY	GA
	VIDALIA	GA
	LAURINBURG	NC
	CHESTER	SC
	MARTIN	TN
	BLUFLD/ER MT	VA
	NEW MARKET	VA
6.04 /6.64	PINEVILLE	EKY
	AMERICUS	GA
	AUGUSTA	GA
	CARROLLTON	GA
	WAYCROSS	GA
	HENDERSONVILLE	NC
	MEMPHIS TN	
	NASHVILLE	TN
	FINCASTLE	VA
	MARION	VA
	RICHMOND	VA
	BUCKHANNON	WV
	HUNTINGTON/CHAS	WV
6.055/6.655	MARIETTA	GA
	CONCORD/KANNAP	NC
	ELIZABETH CITY	NC
	CHATT/SIGNAL MT	TN
	ALEXANDRIA	VA
	ALTAVISTA	VA
6.06 /6.66	MACON	GA
6.07 /6.67	HAZARD	EKY
	GAINESVILLE	GA
	JESUP	GA
	BURLINGTON	NC
	CHERRY MT	NC
	HALIFAX	NC
	BRISTOL	TN
	COOKEVILLE	TN
	LAFOLLETTE/WMT	TN
	NASHVILLE S.W.	TN
	BARREN SPRINGS	VA
	LEXINGTON	VA
	WILLIAMSBURG	VA
	RAVENSWOOD	WV
6.085/6.685	ADAIRSVILLE	GA
	FAYETTEVILLE	GA
	GRIFTON	NC
	STATESVILLE	NC
	NEWBERRY	SC
	WAVERLY	TN
	VIENNA	VA
6.10 /6.70	GRAYSON	EKY
	ALBANY	GA
	JASPER	GA
	MILLEDGEVILLE	GA
	SAVANNAH	GA
	DUNN	NC
	LANCASTER	SC
	FRAYSER	TN
	MANCHESTER	TN
	UNION CITY	TN
	DANVILLE/WHT OAK	VA
	DUFFLD/POWL MT	VA
	NORFOLK	VA
	STAUNTON	VA
	RAVENSWOOD	WV
6.115/6.715	RINGGOLD	GA
	MILLERS CREEK	NC
	SPRING LAKE	NC
	BLACKSBURG	VA
	STERLING	VA
	GASSAWAY	WV
	SHERRARD	WV
6.12 /6.72	ST ALBANS/COAL	WV
6.13 /6.73	LOUISA	EKY
	ALBANY	GA
	BRUNSWICK	GA
	COLUMBUS	GA
	MARIETTA	GA
	SWEAT MT	GA
	RALEIGH	NC
	SALISBURY	NC
	WILMINGTON	NC
	N AUGUSTA	SC
	SIMPSONVILLE	SC
	KNXVL/ENG MT	TN
	LEBANON	TN
	MEMPHIS	TN
	HAMPTON	VA
	ALDERSON	WV
6.145/6.745	ATHENS	GA
	DILLON/PEE DEE	SC
	DYERSBURG	TN
	ROANOKE/POOR MT	VA
6.16 /6.76	ATLANTA	GA
	VALDOSTA	GA
	ASHVL/MT PISGAH	NC
	GREENSBORO	NC
	SWANSBORO	NC
	WILSON	NC
	CHARLESTON	SC
	FT JACKSON	SC
	NASHVILLE	TN
	CHARLOTTESVILLE	VA
	LYNCHBURG	VA
	HUNTINGTON	WV
	MORGANTOWN	WV
	WHEELING	WV
6.175/6.775	MARIETTA	GA
	CHARLOTTE/RTTY	NC
	ELIZABETHTOWN	NC
	PULASKI/MUS MT	TN
	WYTHEVILLE	VA
6.19 /6.79	PIKEVILLE	EKY
	FOLKSTON	GA
	MOULTRIE	GA
	NEWNAN	GA
	SWAINSBORO	GA
	CLINTON	NC
	SAURATOWN MT	NC
	ANDERSON/SAS MT	SC
	CHARLESTON	SC
	CHATTANOOGA	TN
	JOHNSON CITY	TN
	NASHVILLE	TN
	CHESAPEAKE	VA
	FAIRFAX	VA
	OAK HILL	WV
6.205/6.805	MILLEDGEVILLE	GA
	FAYETTEVILLE	NC
	GASTONIA	NC
	COVINGTON	VA
7.405/6.805	MAGGIE VALLEY	NC
3.22 /6.82	ALBANY	GA
	ATLANTA	GA
	LYONS	GA
	ROARING GAP	NC
	WILMINGTON	NC
	GRNVLE/PARIS MT	SC
	LAKE CITY	TN
	MEMPHIS	TN
	WINCHESTER	TN
	WINCHESTER	VA
	CHARLESTON	WV
	CLARKSBURG	WV
6.235/6.835	AUGUSTA	GA
	HAMPTON	GA
	ASHEVILLE	NC
	NAGS HEAD/BODIE	NC
	WADESBORO	NC
	HAZEL MT	VA
7.435/6.835	HIGH POINT	NC
6.25 /6.85	PIKEVILLE	EKY
	DALLAS	GA
	LAGRANGE	GA
	WARNER ROBINS	GA
	GOLDSBORO	NC
	HICKORY/BRT. MT	NC
	REIDSVILLE	NC
	FLORENCE	SC
	GTLBG/COVE MTN	TN
	MEMPHIS	TN
	NASHVILLE	TN
	PORTSMOUTH	VA
	STAUNTON	VA
	BKLY/FLAT TOP MT	WV
	BUCKHANNON	WV
6.265/6.865	MADISON	GA
	BIG KNOB/GREY CT	SC
	FAYETTEVILLE	TN
7.465/6.865	WAXHAW	NC
6.28 /6.88	PRESTONSBURG	EKY
	COLUMBUS	GA
	MARIETTA	GA
	QUITMAN	GA
	SAVANNAH	GA
	RALEIGH	NC
	SHELBY	NC
	COLUMBIA	SC
	BRISTOL	TN
	MEMPHIS	TN
	NASHVILLE	TN
	OAK RIDGE	TN
	BRISTOL	VA
	RICHMOND	VA
	SALEM	VA
	CHARLESTON	WV
6.295/6.895	MADISON	NC
	WAXHAW	NC
6.30 /6.90	FAIRMONT	WV
6.31 /6.91	MOREHEAD	EKY
	CLEVELAND/LONG	GA
	GRIFFIN	GA
	AHOSKIE	NC
	ASHVL/SPIVEY MT	NC
	FAYETTEVILLE	NC
	LEXINGTON	NC
	WHITE HALL	SC
	SAVANNAH	TN
	SHORT MTN	TN
	FARMVILLE	VA
	JONESVILLE	VA
	MT. LK/BALD KNB	VA
	TYSONS CORNER	VA
	MCMECHEN	WV
	RIPLEY	WV
6.325/6.925	ROCK HILL	SC
	CHARLOTTESVILLE	VA
	DANVILLE(DCC)	VA
	ONEIDIA PEAK	VA
6.34 /6.94	ASHLAND	EKY
	AUGUSTA	GA
	ROME	GA
	WRIGHTSVILLE	GA
	BURGAW	NC
	CHARLOTTE	NC
	DURHAM	NC
	MANTEO	NC
	MT AIRY-RTTY	NC
	CHARLESTON	SC
	GREENVILLE	SC
	KNOXVILLE	TN
	MEMPHIS	TN
	NASHVILLE	TN
	HAMPTON	VA
	RICHMOND	VA
	ROANOKE	VA
	SUMMERSVILLE	WV
	WEIRTON	WV
7.94 /6.94	NEW MARTINSVLLE	WV
6.355/6.955	PERRY	GA

REPEATERS BY FREQUENCY CONTINUED

	YNG HRS/RCKY TP	GA
	ROCKINGHAM	NC
	EAST RIVER MNT	WV
6.37 /6.97	ATLANTA	GA
	SAVANNAH	GA
	MT AIRY	NC
	SMITHFIELD	NC
	ANDERSON	SC
	FLORENCE	SC
	KNGSPT/BAYS MT	TN
	MCMINNVILLE	TN
	MEDINA	TN
	OAK RIDGE	TN
	MANASSAS	VA
	STAUNTON	VA
	VIRGINIA BEACH	VA
	LOGAN/WARD RK MT	WV
	PARKERSBURG	WV
6.385/6.985	AUGUSTA	GA
	ELLIJAY	GA
	PRESTON	GA
	ALBEMARLE	NC
	OLD FORT	NC
	MT PLEASANT	SC
	ROANOKE/POOR MT	VA
6.40 /7.00	ATLANTA	GA
	HIGH POINT	NC
	JACKSONVILLE	NC
	MARION	SC
	PICKENS	SC
	MEMPHIS	TN
	SUFFOLK	VA
	ST ALBANS	WV
7.60 /7.00	ELKHORN CITY	EKY
	HIGH POINT	NC
	BLOUNTVILLE	TN
	CHATT/SIGNAL MT	TN
	CLARKSVILLE	TN
	TERRA ALTA	WV
7.615/7.015	CLEVELAND/LONG	GA
	WARNER ROBINS	GA
	LK NORMN/CLT	NC
	SUMTER	SC
	NASHVILLE	TN
	FREDRICKSBURG	VA
6.43 /7.03	ROCK HILL	SC
	LEXINGTON	TN
	MILLINGTON/NB	TN
	RICHMOND	VA
7.63 /7.03	ATLANTA/AIRPORT	GA
	GREENSBORO	NC
	ROANOKE RAPIDS	NC
	BARNWELL	SC
	MYRTLE BEACH, N	SC
	FAYETTEVILLE	TN
	MEMPHIS	TN
	MORRISTOWN	TN
	WAYNESBORO/FMS	VA
	MULLENS/HRNDN MT	WV
	ST MARYS/BENS R	WV
6.445/7.045	FAYETTEVILLE	NC
	HOPE MILLS	NC
	ROB/JOANNA BLD	NC
	YOUNGSVILLE	NC
	ARLINGTON	VA
7.645/7.045	METTER	GA
	STATSVL/ASBRY MT	NC
	RADFORD	VA
	STAUNTON/EL. KB	VA
	VIRGINIA BEACH	VA
6.06 /7.06	MADISON	WV
6.46 /7.06	COHUTTA-RTTY	GA
	CHARLOTTE	NC
	MEMPHIS	TN
	SOUTH BOSTON	VA
	PRINCETON	WV
7.66 /7.06	MACON	GA
	ROSWELL	GA
	THOMASVILLE	GA
	MACO	NC
	SUMTER	SC
	GRNVLE/GRYSTN	TN
	SHELBYVILLE	TN
	CHESTERFLD CO	VA
	POINT PLEASANT	WV
6.475/7.075	BURLINGTON	NC
7.675/7.075	SNELLVILLE	GA
	BURLINGTON	NC
	KNOXVILLE	TN
	WAYNSBR/AFTON MT	VA
	JANELEW	WV
7.69 /7.09	PAINTSVILLE	EKY
	ST SIMONS ISL	GA
	GREENVL/ESTN NC	NC
	ORANGEBURG	SC
	SPARTANBURG	SC
	SPARTA/BON AIR	TN
	GALAX/BRIRP MT	VA
7.705/7.105	ATLANTA	GA
	MARION/BEAR WLW	NC
	MONROE/UCARS	NC
	BEDFORD	VA
	SPENCER	WV
6.09 /7.11	LOGAN	WV
7.72 /7.12	WINCHESTER	EKY
	AUGUSTA	GA
	CEDARTOWN	GA
	GAST/SPCR MT	NC
	MAYODAN	NC
	ROCKY MOUNT	NC
	MYRTLE BEACH	SC
	MEMPHIS	TN
	OAK RIDGE	TN
	CULPEPPER	VA
	BRIDGEPORT	WV
	DUNBAR	WV
7.735/7.135	DALTON	GA
	VALDOSTA	GA
	BREVARD/RICH MTN	NC
	CHERAW	SC
	ALAMO	TN
	DISMAL PEAK	VA
	RICHMOND	VA
7.745/7.145	MT. STERLING	EKY
7.75 /7.15	DOG FORK MT	EKY
	ALBANY	GA
	CUMMING/SAWNEE	GA
	MORGANTON	NC
	RALEIGH	NC
	MONCKS CORNER	SC
	SIMPSONVILLE	SC
	MEMPHIS	TN
	NASHVILLE	TN
	OAK RIDGE	TN
	TAZEWELL	VA
	ST ALBANS/COAL	WV
7.765/7.165	HIGH POINT	NC
	GREENWOOD	SC
	BRISTOL/HLSTN MT	TN
	PARIS	TN
	PURYEAR	TN
	NEWPORT NEWS	VA
	WARRENTON	VA
7.78 /7.18	AUGUSTA	GA
	BALDWIN	GA
	SYCAMORE	GA
	SANFORD	NC
	WILMINGTON	NC
	FT MILL/CAROWND	SC
	GOOSE CREEK	SC
	CLEVELAND	TN
	MEMPHIS	TN
	NASHVILLE	TN
	PETERSBURG	VA
	PKS KB/PULASKI	VA
	LEON	WV
7.795/7.195	ATLANTA	GA
	MURPHY	NC
	LYNCHBURG	VA
7.81 /7.21	CONYERS	GA
	DALTON	GA
	STATESBORO	GA
	GREENSBORO	NC
	WHITEVILLE	NC
	LITTLE MT	SC
	COOKEVILLE	TN
	JACKSON	TN
	MCLEAN	VA
	WISE/HIGH KNOB	VA
7.825/7.225	SUMMERVILLE	GA
	HILLSBOROUGH	NC
	LAKE MARION	SC
	MORRISTOWN	TN
	NARROWS/DISML PK	VA
	YORKTOWN	VA
7.84 /7.24	ASHLAND	EKY
	IRWINTON	GA
	CARTHAGE	NC
	EDEN/MAYODAN	NC
	FOREST CITY	NC
	FRANKLIN	NC
	LANCASTER	SC
	GALLATIN	TN
	MEMPHIS	TN
	PETERSBURG	VA
	WOODBRIDGE	VA
7.855/7.255	ATLANTA	GA
	ASHEBORO	NC
	HENDSVL/PINCK MT	NC
	ACCOMAC	VA
	MARTINSBURG	WV
7.885/7.255	DONELSON	TN
7.87 /7.27	PIKEVILLE	EKY
	AMERICUS	GA
	BENSON	NC
	WAYNESVILLE	NC
	CHARLESTON	SC
	SENECA/LONG MT	SC
	GALLATIN	TN
	JOHNSON CITY	TN
	GUM SPRING	VA
	SCOTT DEPOT	WV
7.885/7.285	ASHBURN	GA
	ATLANTA/GPCO	GA
	AIKEN	SC
	ROCKY SPUR	SC
	PIKEVILLE	TN
	MARTINSVILLE	VA
7.90 /7.30	ROME	GA
	SVR CRK/MT ALTO	GA
	WARNER ROBINS	GA
	GLENDALE SPGS	NC
	JACKSONVILLE	NC
	LUMBERTON	NC
	TUCKASEGEE	NC
	CHARLESTON	SC
	MT PLEASANT	SC
	KNOXVILLE	TN
	MEMPHIS	TN
	NASHVILLE	TN
	FRANKLIN	VA
	LEXINGTON	VA
	WINCH/BLUEMONT	VA
	HARRISVILLE	WV
	HUNTINGTON	WV
7.915/7.315	UNION CROSS	NC
	CLARENDON	VA
	CLARKSBURG	WV
7.92 /7.32	GRUNDY	VA
7.93 /7.33	ASHLAND	EKY
	LAGRANGE	GA
	TOCCOA	GA
	FAYVLLE/FT BRAGG	NC
	LENOIR/HIBRITN	NC
	COLUMBIA	SC
	COVINGTON	TN
	CROSSVILLE	TN
	NASHVILLE	TN
	LEXNGTN/COLE MT	VA
	WARSAW	VA
7.94 /7.34	ATLANTA/SWEAT MT	GA
7.945/7.345	LYNCH/BLACK MT	EKY
	SHELBY	NC
	WASHINGTON	NC
	HENDERSONVILLE	TN
	GATE CITY	VA
	WYTHE/PULASKI	VA
	FRANKLIN	WV
7.95 /7.35	DANVILLE	VA
7.96 /7.36	DOUGLASVILLE	GA
	DUBLIN	GA
	BOONE/RICH MTN	NC
	LUMBERTON	NC
	SUMMERVILLE	SC
	KNXVL/CSRS MT	TN
	MEMPHIS	TN
	NASHVILLE S	TN
	PARIS	TN
	CHESTERFIELD	VA
7.97 /7.37	AUGUSTA	GA
7.975/7.375	BURNSVILLE	NC
	GREENVILLE	NC
	GEORGETOWN	SC
	HILLSVILLE	VA
	LYNCHBURG	VA
	NEWPORT NEWS	VA
	GRAFTON	WV
	ST ALBANS	WV
7.99 /7.39	JENKINS	EKY
	THOMASTON	GA
	CHARLOTTE	NC
	EDEN/STONEVILLE	NC
	SMITHFIELD	NC
	LEXINGTON	SC
	DAYTON/RHEA CTY	TN
	GALLATIN	TN
	MADISON	VA
	PETERSBURG	VA
	PARKERSBURG	WV
6.19 /7.51	MEMPHIS	TN
7.015/7.615	MARIETTA	GA
	UNION CITY	TN
7.315/7.915	FORSYTH	GA
7.375/7.975	ATHENS	GA
	GREENVILLE	SC

220 MHZ

3.70 /PKET	SAWNEE MT/CUMMIN	GA
2.12 /3.72	LOUISA	EKY
	STERLING PK	VA
2.30 /3.90	HERMITAGE	TN
2.32 /3.92	HIGH POINT	NC
2.34 /3.94	ASHLAND	EKY
	ATLANTA/SWEAT MT	GA
	ASHVL/MT PISGAH	NC
	HILLSBOROUGH	NC
	CLARKSVILLE	TN
	MEMPHS/FRAYSER	TN
2.36 /3.96	ROCKY MOUNT	NC
2.38 /3.98	LINWOOD	NC
	GREER	SC
	GALLATIN	TN
2.40 /4.00	LOCUST	NC
	PETERSBURG	VA
2.42 /4.02	FAYETTEVILLE	NC
	HICKORY	NC
	NASHVILLE	TN
2.46 /4.06	BUCHANAN/HARALSO	GA
	EASLEY/SASFRS MT	SC
	NASHVILLE	TN
2.48 /4.08	FAIRFAX	VA
2.50 /4.10	ROANOKE	VA
	ATLANTA/SWEAT MT	GA
2.52 /4.12	LITTLE MT	SC
	LUMBERTON	NC
2.54 /4.14	PICKENS/CSRS HD	SC
	FRANKLIN	TN
	HUNTINGTON	WV
2.56 /4.16	LENOIR/HIBRITN	NC
2.58 /4.18	HICKORY VALLEY	TN
2.60 /4.20	MOORESBORO	NC
2.62 /4.22	NASHVILLE	TN
2.64 /4.24	HENDSVL/BERWLW M	NC
2.70 /4.30	STATESVILLE	NC
2.74 /4.34	CANTON	GA
	CANTON	GA
	FRIES/PT LKOUT	VA
2.76 /4.36	MARSHALL	NC
2.80 /4.40	CHARLT/MINT HL	NC
2.86 /4.46	KNOXVILLE	TN
2.88 /4.48	N. WILKESBORO	NC
2.90 /4.50	KNOXVILLE	TN
2.94 /4.54	MT MITCHELL	NC
2.98 /4.58	PIKEVILLE	EKY
3.00 /4.60	ASHEVILLE	NC
	WILLIAMSON	WV
3.02 /4.62	PIKEVILLE	EKY
3.04 /4.64	RALEIGH	NC
	WINSTON-SALEM	NC
3.06 /4.66	ATLANTA/SWEAT MT	GA
3.08 /4.68	LK NORMN/CLT	NC
3.10 /4.70	SAURATOWN MT	NC
3.12 /4.72	MT. TOXAWAY	NC
	TYSONS CORNER	VA
3.14 /4.74	MARIETTA	GA
	KINGSTON/LICK KB	WV
3.16 /4.76	SALISBURY	NC
	DAN/WHT OAK	VA
3.18 /4.78	CHATTANOOGA	TN
3.20 /4.80	MORGANTON	NC
3.22 /4.82	ATLANTA	GA
	GREENSBORO	NC
	KNOXVILLE	TN
	ALEXANDRIA	VA
3.28 /4.88	BUCHANAN/HARALSO	GA
	DALTON	GA
	SAURATOWN MT	NC
3.30 /4.90	MARIETTA	GA
	COLUMBIA	SC
	CHATT/SIGNAL MT	TN
3.32 /4.92	CHAPEL HILL	NC
3.34 /4.94	AUGUSTA	GA
	BUCHANAN/HARALSO	GA
	JACKSONVILLE(FL)	GA
	ROSSVILLE	GA
	GREENEVILLE	TN
	ROANOKE/POOR MTN	VA
3.36 /4.96	CHERRYVILLE	NC
3.38 /4.98	FALLS CHURCH	VA

440 MHZ

9.45 /5.67	LAWRENCEVILLE	GA
4.25 /1.25	MT MITCHELL	NC
9.25 /1.25	SAURATOWN MT	NC
	LEXINGTON	SC
	CHARLESTON	WV
	LEWISVILLE	NC
	NORFOLK	VA
	ALEXANDRIA	VA
	ALBANY	GA
	SHELBY	NC
	SUMTER	SC
	CHATT/SIGNAL MT	TN
7.00 /2.00	PICKENS/CSRS HD	SC
	WINCHESTER	VA
7.05 /2.05	MORGANTON	NC
	JASPER	TN
	MEDINA	TN
7.10 /2.10	EDEN	NC
	MILAN	TN
7.15 /2.15	RALEIGH	NC
7.20 /2.20	JACKSON	TN
7.25 /2.25	COVINGTON	VA
7.325/2.325	CHATTANOOGA	TN
7.50 /2.50	KNOXVILLE	TN
	ROANOKE/POOR MT	VA
7.55 /2.55	CONYERS	GA
7.70 /2.70	ROANOKE	VA
7.80 /2.80	JACKSON	TN
	MEMPHIS	TN
7.825/2.825	JACKSON	TN
7.90 /2.90	HIGH POINT	NC
8.00 /3.00	CHATSWORTH	GA
	MEMPHIS	TN
8.10 /3.10	LYNCH/BLACK MT	EKY
	SAURATOWN MT	NC
	GREENVILLE	SC
8.145/3.145	AUGUSTA	GA
8.20 /3.20	MARIETTA	GA
	HICKORY VALLEY	TN
8.30 /3.30	GATLBG/COVE MT	TN
8.40 /3.40	MEMPHIS	TN
8.50 /3.50	ATLANTA	GA
	GREENSBORO	NC
	PARIS/GROVE HL	TN
	TYSONS CORNER	VA
8.55 /3.55	WILKESBORO	NC
8.60 /3.60	MT MITCHELL	NC
8.65 /3.65	HAMPTON	VA
8.70 /3.70	HIGH POINT	NC
	LOCUST	NC
8.75 /3.75	ALAMO	TN
	FINCASTLE	VA
8.30 /3.80	MANASSAS	VA
8.80 /3.80	NORTHWEST/SE VA	VA
8.85 /3.85	FRANKLIN	TN
8.875/3.875	CHAPEL HILL	NC
	CAESARS HEAD	SC
8.90 /3.90	GRIFFIN	GA
	CHESAPEAKE	VA
	SALUDA	VA
8.95 /3.95	WILLIAMSBURG	VA
9.00 /4.00	LAWRENCEVILLE	GA
	HICKORY	NC
	RICHMOND	VA
	HRNDON/HRNDN MT	WV
9.05 /4.05	WAYNSBR/AFTON MT	VA
9.10 /4.10	FAYETTEVILLE	TN
9.10 /4.10	JACKSONVILLE(FL)	GA
	DURHAM	NC
	CHATTANOOGA	TN
	MEMPHIS	TN
9.15 /4.15	ATLANTA/BELL	GA
	NASHVILLE	TN
	LEXNGTN/COLE MT	VA
	SPRINGFIELD	VA
9.20 /4.20	COLUMBUS	GA
	DECATUR	GA
	AHOSKIE	NC
	MORRISTOWN	TN
9.25 /4.25	ATLANTA	GA
	HENDSVL/BERWLW M	NC
	SMYRNA	TN
	CHARLOTTESVILLE	VA
9.30 /4.30	NEWTON	NC
	FISHE[illegible]LLE	TN
	KNOX[illegible]	TN
	WAYNES[illegible]	VA
8.35 /4.35	N. WILKESBORO	NC
9.35 /4.35	VALDOSTA	GA
	GALLATIN	TN
	BEDFD/APL ORCH	VA
9.40 /4.40	FAYETTEVILLE	NC
	OAK RIDGE	TN
	LOGAN/WARD RK	WV
9.425/4.425	ALTAVISTA	VA
9.45 /4.45	LAWRENCEVILLE	GA
	GALLATIN	TN
	FALLS CHURCH	VA
9.50 /4.50	ATLANTA	GA
	LEXINGTON	NC
	MEMPHIS	TN
	LYNCHBURG	VA
	HUNTINGTON	WV
9.55 /4.55	RIVERDALE	GA
	NASHVILLE	TN
9.60 /4.60	CHARLOTTE	NC
	KNOXVILLE	TN
	ALEXANDRIA	VA
9.625/4.625	ATLANTA	GA
9.65 /4.65	SALISBURY	NC
	WILLIAMSTON	NC
	GREENEVILLE	TN
	RICHMOND	VA
9.675/4.675	NASHVILLE	TN
9.70 /4.70	ROCKY MOUNT	NC
	WILMINGTON	NC
	MT PLEASANT	SC
	KNOXVILLE	TN
	MORGANTOWN	WV
9.735/4.735	DALTON	GA
9.75 /4.75	ROCK HILL	SC
	ELIZ/HOLSTON MT	TN
	TYSONS CORNER	VA
9.775/4.775	NASHVILLE	TN
9.80 /4.80	GREENVILLE	NC
	MT AIRY/FSH PK	NC
	MEMPHIS	TN
	LICK KNOB	WV
	MORGANTOWN	WV
9.825/4.825	WATERTON	TN
	STAUNTON	VA
9.85 /4.85	CHARLOTTE	NC
	PETERSBURG	VA
9.875/4.875	MT PISGAH	NC
	NASHVILLE	TN
9.90 /4.90	ASHVL/MT PISGAH	NC
	FAYETTEVILLE	NC
	WILSON	NC
9.925/4.925	ATLANTA	GA
	ANDERSON/SAS MT	SC
9.95 /4.95	STAUNTON	VA
	VIRGINIA BEACH	VA
9.975/4.975	ATLANTA	GA
	BRUNSWICK	GA
	SAURATOWN MT	NC
	NASHVILLE	TN

REPEATERS BY FREQUENCY

6.65 /6.65	ROANOKE	VA
3.80 /9.80	SUMMERVILLE	SC
4.225/9.225	MANASSAS	VA
4.40 /9.40	MEMPHIS	TN
4.45 /9.45	ATLANTA	GA
4.50 /9.50	ALBANY	GA
4.825/9.825	ATLANTA	GA
4.90 /9.90	MACON	GA
	WOODBRIDGE	VA
4.925/9.925	WINCH/BLUEMONT	VA
2.01 /ACON	FISHERVILLE	TN

920 MHZ

8.00 /0.00	LEXINGTON	NC
9.00 /1.00	LEXINGTON	NC

10 METERS

9.60 /9.60	CHARLOTTESVILLE	VA
9.52 /9.62	ATLANTA	GA
	WILKESBORO	NC
	KNOXVL/ENG MT	TN
	MEMPHIS/FRAYSER	TN
9.54 /9.64	JACKSONVILLE(FL)	GA
	CHAPEL HILL	NC
9.56 /9.66	MARIETTA	GA
	EDEN	NC
	SAPPHIRE	NC
9.58 /9.68	ALBANY	GA
	STERLING	VA

6 METERS

3.05 /2.05	ATLANTA/SWEAT MT	GA
3.44 /2.44	MARIETTA	GA
2.58 /2.48	FAIRFAX	VA
2.525/2.525	HENDERSONVILLE	NC
	HIGH POINT	NC
	CHARLOTTESVILLE	VA
2.76 /2.525	KNOXVILLE	TN
2.64 /2.84	FAIRFAX STA	VA
2.01 /3.01	HENDERSONVILLE	NC
	NEWPORT	NC
	CHATTANOOGA	TN
	MEMPHIS	TN
	ABINGTON	VA
	LEXNGTN/COLE MT	VA
	NORTN/HIGH KB	VA
2.03 /3.03	ROANOKE RAPIDS	NC
2.05 /3.05	COPE	SC
	BOLT/BOLT MT	WV
2.13 /3.13	PERRY	GA
	COOKEVILLE	TN
	ALEXANDRIA	VA
	DANVILLE(DCC)	VA
2.15 /3.15	COLUMBIA	SC
	KNXVL/ENG MT	TN
	BEDFORD/THAX MT	VA
2.17 /3.17	ST MARYS/BENS R	WV
2.25 /3.25	RIDGEWAY	VA
	ROANOKE	VA
2.33 /3.33	SAPPHIRE	NC
2.35 /3.35	CARY	NC
	KNOXVILLE	TN
2.41 /3.41	PICKENS	SC
2.43 /3.43	RICHMOND	VA
2.45 /3.45	FLAT GAP	EK
	GALLATIN	TN
2.47 /3.47	HICKORY	NC
2.55 /3.55	CONYERS	GA
2.03 /3.63	ST ALBANS/COAL	WV
2.64 /3.64	KNOXVILLE	TN
2.06 /3.66	DANVILLE/MADSN	WV
2.67 /3.67	STATESVILLE	NC
2.09 /3.69	HERNSHAW/BEE MT	WV
2.12 /3.72	RAND	WV

EAST KENTUCKY REPEATERS

2 METERS

ASHLAND	KK4Y	146.34	146.94	*	
ASHLAND	KA4DII	147.84	147.24		PA
ASHLAND	WA8KWH	147.93	147.33		A
DOG FORK MT	N4MWA	147.75	147.15		
ELKHORN CITY	WB4WAU	147.60	147.00	*	PA
GRAYSON	KF4JO	146.10	146.70	N	
HARLAN	WM4R	144.75	145.35	N	
HAZARD	K4VHF	146.07	146.67	*	
JENKINS	WD4PDJ	147.99	147.39	N	
LEXINGTON	KC4TX	144.85	145.45	N	A
LOUISA	WA4SWF	146.13	146.73	*	EA
LYNCH/BLACK MT	N4IZD	147.945	147.345	N	
MIDDLESBORO	W4PPM	144.63	145.23	N	
MOREHEAD	K4GFY	146.31	146.91	*	
MT. STERLING	WD4KNE	147.745	147.145	N	
PAINTSVILLE	KB4NDB	147.69	147.09		
PIKEVILLE	N4IWZ	144.55	145.15	*	
PIKEVILLE	WB4GEL	146.19	146.79	*	PA
PIKEVILLE	N4IXA	146.25	146.85	*	EAL
PIKEVILLE	WB4GEL	147.87	147.27	*	PA
PINEVILLE	WA4YZY	146.04	146.64	N	
PRESTONSBURG	K4ICN	144.69	145.29	*	LRB
PRESTONSBURG	WB4KUC	146.28	146.88		
WINCHESTER	WB4ASZ	147.72	147.12		EA

220 MHZ

ASHLAND	KC4QK	222.34	223.94	N	
LOUISA	K4PGA	222.12	223.72		EA
PIKEVILLE	WB4F	222.98	224.58	*	
PIKEVILLE	N4MWI	223.02	224.62		A

440 MHZ

LYNCH/BLACK MT	N4IZD	448.10	443.10	N

6 METERS

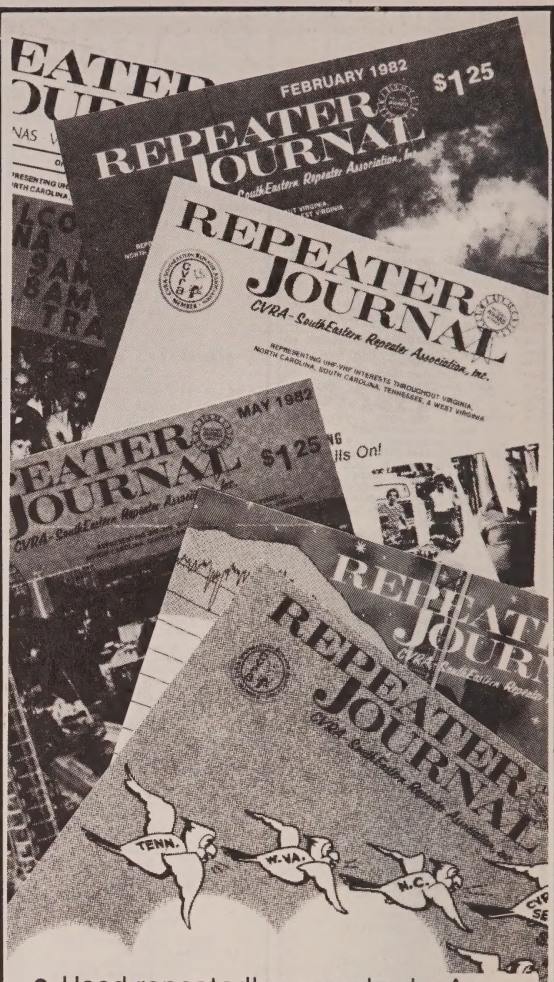
FLAT GAP	N4MPM	52.45	53.45	*	C

CVRA-SERA REPEATER SYMBOLS

Unmarked - 1st Column - Full Mbr.
★ Honor Roll Full Member
D Deliquent Membership
N NON Member SERA
NB Not on SERA Band Plan
M T-MARC Terr. Rptr.
A Autopatch (Open)
PA Private Autopatch
EA Emerg. Autopatch

T Tone Access Repeater
L Linked Repeater
K Packet Operation
R Radioteletype Oper.
V Television (SS or ATV)
P Proposed Repeater
C Under Construction
O Off Air Temporarily
RB Remote Base System

Note some repeaters allow voice as well as other functions on their machine. Generally the second function is indicated, but does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for info.



- Used repeatedly every day by Amateurs for reference of repeater listings of North Carolina, South Carolina, Virginia, Tennessee, West Virginia, Georgia and Eastern Kentucky. The REPEATER JOURNAL contains the most up-to-date listings of any publication on the market today.

- The Repeater Journal Calendar of events contains the most complete up-to-date listing of Hamfests, Conventions and Flea Markets for over eight states. Most hamfests in our major 7 state coverage run additional advertising information.

ARRL says "The Repeater Journal is one of the most Outstanding regional publications in the nation."

CVRA-SERA REPEATER INDEX LISTINGS BY CITY-BY-STATE

NORTH CAROLINA REPEATERS

2 METERS

AHOSKIE	WB4YNF	144.53	145.13	N	A
AHOSKIE	WA4ZGQ	146.31	146.91	N	PA
ALBEMARLE	K4OGB	146.385	146.985	N	
ASHEBORO	KJ4AV	147.855	147.255	*	PAL
ASHEVILLE	WA4QCO	146.235	146.835	*	A
ASHVL/MT PISGAH	WA4BVW	146.16	146.76	*	
ASHVL/SPIVEY MT	W4MOE	146.31	146.91		A
BENSON	AK4H	147.87	147.27	*	PA
BOONE/RICH MTN	WA4KDB	147.96	147.36	*	
BREVARD/RICH MTN	WB4CJS	147.735	147.135		A
BURGAW	W4DLH	146.34	146.94	*	EA
BURLINGTON	WB4ZIN	146.07	146.67	N	A
BURLINGTON	W4VGZ	146.475	147.075	N	EA
BURLINGTON	WA4HBQ	147.675	147.075	N	EA
BURNSVILLE	N4YN	147.975	147.375	N	A
CARTHAGE	W4NIW	147.84	147.24	*	
CHARLOTTE	W4BFB	144.63	145.23		
CHARLOTTE	W4BFB	144.69	145.29		A
CHARLOTTE	WA4AOS	144.75	145.35	N	
CHARLOTTE	W4BFB	146.34	146.94		A
CHARLOTTE	W4CQ	146.46	147.06	N	A
CHARLOTTE	WD4PLY	147.99	147.39	N	PA
CHARLOTTE/RTTY	W4BFB	146.175	146.775		R
CHERRY MT	W4TMT	146.07	146.67	N	
CLINTON	WA4LZD	146.19	146.79	N	
COLUMBIA	K4ITL	144.51	145.11	N	CL
CONCORD/KANNAP	K4CEB	146.055	146.655		PA
CROWDERS MT	WD4PLY	144.85	145.45	N	
DUNN	N4CID	146.10	146.70	*	PA
DURHAM	WA4WTX	144.85	145.45	*	AL
DURHAM	WA4BFT	146.34	146.94	N	A
EDEN/MAYODAN	WA4ACP	147.84	147.24	N	
EDEN/STONEVILLE	WA4QBG	147.99	147.39	*	
ELIZABETH CITY	WA4VTX	146.055	146.655	N	A
ELIZABETHTOWN	N4DHW	146.175	146.775	N	
FAYETTEVILLE	N4EWG	146.205	146.805	*	
FAYETTEVILLE	WB4YZF	146.31	146.91	*	A
FAYETTEVILLE	WA4FLR	146.445	147.045	*	CR
FAYVLLE/FT BRAGG	W4LPL	147.93	147.33	*	
FOREST CITY	WA4BKU	147.84	147.24	N	
FRANKLIN	W4ZCZ	144.89	145.49	*	
FRANKLIN	W4GHZ	147.84	147.24	*	
GAST/SPCR MT	W4REW	147.72	147.12	*	A
GASTONIA	K4NOQ	146.205	146.805	*	PA
GLENDALE SPGS	W4YJG	147.90	147.30	N	
GOLD HILL/GBO	N4AZM	144.65	145.25	*	A
GOLDSBORO	K4CYP	146.25	146.85	*	A
GREENSBORO	K4SNI	146.01	146.61	*	A
GREENSBORO	WA4MSS	146.16	146.76	*	
GREENSBORO	KB4IZ	147.63	147.03	*	PA
GREENSBORO	W4BUZ	147.81	147.21	N	
GREENVILLE	WA4DAN	144.75	145.35	*	L
GREENVILLE	K4ROK	147.975	147.375	N	
GREENVL/ESTN NC	W4GDF	147.69	147.09	*	
GRIFTON	W4NBR	146.085	146.685	N	
HALIFAX	AA4SJ	146.07	146.67		A
HENDERSONVILLE	WB4YAO	146.04	146.64	N	L
HENDSVL/BERWLW M	WA4KNI	144.67	145.27	*	A
HENDSVL/PINCK MT	WA4KNI	147.855	147.255	*	A
HICKORY/BRT. MT	WA4MDW	146.25	146.85	N	
HIGH POINT	N4XO	144.81	145.41	N	A
HIGH POINT	N4LDK	146.40	147.00	*	LA
HIGH POINT	KB4BPV	147.435	146.835	*	A
HIGH POINT	N4LDK	147.60	147.00	*	LA
HIGH POINT	KJ4RT	147.765	147.165		PA
HILLSBOROUGH	WA4WTX	147.825	147.225	*	AL
HOPE MILLS	WB4TRW	146.445	147.045	N	
JACKSONVILLE	WD4FVO	146.40	147.00	*	PA
JACKSONVILLE	WR4ATW	147.90	147.30	N	
KINSTON	N4HAJ	144.87	145.47	N	P
LAURINBURG	K4QWK	146.025	146.625	N	A
LENOIR/HIBRITN	KN4K	147.93	147.33	*	
LEWISVILLE	N4GGK	144.61	145.21	*	PA
LEXINGTON	K4IZM	146.31	146.91	*	PA
LILLINGTON	WA4FKI	144.87	145.47	N	
LK NORMN/CLT	WB4KPF	147.615	147.015		
LUMBERTON	W4NHV	147.90	147.30	*	EA
LUMBERTON	WB4MDI	147.96	147.36	*	
MACO	WA4LED	147.66	147.06		
MADISON	KA4YFF	146.295	146.895		
MAGGIE VALLEY	W4HCY	147.405	146.805	*	
MANTEO	K4UOR	146.34	146.94	N	O
MARION/BEAR WLW	KA4DEC	147.705	147.105	N	
MAYODAN	WA4ACP	147.72	147.12	N	
MILLERS CREEK	N4GGN	146.115	146.715	*	A
MONROE	KF4NJ	144.79	145.39	*	A
MONROE/UCARS	K4JCK	147.705	147.105	*	A
MORENTN/HI PK	WB4UDS	144.55	145.15	N	
MORGANTON	K4VLY	147.75	147.15	*	
MT AIRY	WA4ZAS	146.37	146.97	N	EA
MT AIRY-RTTY	WA4ZAS	146.34	146.94	N	R
MT AIRY/TRNR MT	KD4J	144.73	145.33	N	A
MT MITCHELL	WA4BVW	144.59	145.19	*	
MURPHY	KC4WB	147.795	147.195	N	
N. WILKESBORO	N4AGN	144.77	145.37	*	LPA
NAGS HEAD/BODIE	N4JXG	146.235	146.835	*	PA
NEW BERN	WD4JMS	146.01	146.61	*	A
NEWPORT	K4GRW	144.85	145.45	N	AL
NEWTON	WD4JWO	144.57	145.17	N	
OLD FORT	KA4ROZ	146.385	146.985	N	
OXFORD	N4EKK	144.57	145.17	*	PA
RALEIGH	N4BEA	144.67	145.27	*	PAL
RALEIGH	NW4B	144.79	145.39	N	C
RALEIGH	N4CBI	144.89	145.49	N	
RALEIGH	W4DW	146.04	146.64		
RALEIGH	K4BWC	146.13	146.73	*	A
RALEIGH	K4ITL	146.28	146.88	*	L
RALEIGH	K4ITL	147.75	147.15	*	PA
REIDSVILLE	K4YFT	146.25	146.85	*	
ROANOKE RAPIDS	K4ITL	144.71	145.31	N	CL
ROANOKE RAPIDS	WA4DTS	147.63	147.03	*	
ROARING GAP	WB4PZA	146.22	146.82	*	
ROB/JOANNA BLD	WD4CNS	146.445	147.045		
ROCKINGHAM	WA4ULA	146.355	146.955	N	
ROCKY MOUNT	K4EWL	147.72	147.12	*	PA
SALISBURY	W4EXU	146.13	146.73	*	PA
SANFORD	WB4EJJ	147.78	147.18	*	A
SAURATOWN MT	W4RXG	144.51	145.11	*	R
SAURATOWN MT	WA4GIC	144.87	145.47		
SAURATOWN MT	N4LDK	146.19	146.79	*	PA
SHALLOTTE	K4PPD	144.69	145.29	*	
SHELBY	W4NYR	146.28	146.88		
SHELBY	W4NYR	147.945	147.345		PA
SMITHFIELD	KD4JQ	146.37	146.97	N	
SMITHFIELD	W4MKL	147.99	147.39	N	
SPARTA/GREEN MT	K4ITL	144.83	145.43	*	L
SPRING LAKE	WB4KDC	146.115	146.715	N	
STATESVILLE	AI4O	146.085	146.685	*	
STATSVL/ASBRY MT	WA4JRL	147.645	147.045	N	
SWANSBORO	KO4S	146.16	146.76	*	
TRENTON	K4ITL	144.61	145.21	*	L
TUCKASEGEE	W8OMV	147.90	147.30	N	
UNION CROSS	WA4RBW	147.915	147.315		
WADESBORO	WA4IAT	146.235	146.835		
WASHINGTON	WA4TEP	147.945	147.345	*	
WAXHAW	WB4OOA	146.295	146.895	N	PA
WAXHAW	WA4ZRS	147.465	146.865	*	A
WAYNESVILLE	N4SM	147.87	147.27	*	PA
WHITEVILLE	K4MSD	147.81	147.21		
WILLIAMSTON	KA4KNU	144.81	145.41	*	PA
WILMINGTON	W4VNK	146.13	146.73	*	PA
WILMINGTON	K4GMP	146.22	146.82	*	L
WILMINGTON	N4CJS	147.78	147.18	N	A
WILSON	WB4THL	146.16	146.76	N	
WINSTON-SALEM	WA4GIC	146.04	146.64		
YOUNGSVILLE	WD4AUI	146.445	147.045	N	

220 MHZ

ASHEVILLE	NC4N	223.00	224.60	*	
ASHVL/MT PISGAH	WA4BVW	222.34	223.94	*	
CHAPEL HILL	K2MZ	223.32	224.92	N	C
CHARLT/MINT HL	KE4ZC	222.80	224.40		
CHERRYVILLE	WB4UDS	223.36	224.96	N	
FAYETTEVILLE	W4EHF	222.42	224.02	*	
GREENSBORO	WB4IKY	223.22	224.82	*	R
HENDSVL/BERWLW M	WA4KNI	222.64	224.24	*	
HICKORY	WA4MDW	222.42	224.02	N	
HIGH POINT	K4AZA	222.32	223.92	*	LA
HILLSBOROUGH	WA4WTX	222.34	223.94	*	L
LENOIR/HIBRITN	KN4K	222.56	224.16	*	
LINWOOD	KA4HUV	222.38	223.98	N	

CVRA-SERA REPEATER SYMBOLS

Unmarked - 1st Column - Full Mbr.
★ Honor Roll Full Member
D Deliquent Membership
N NON Member SERA
NB Not on SERA Band Plan
M T-MARC Terr. Rptr.
A Autopatch (Open)
PA Private Autopatch
EA Emerg. Autopatch

T Tone Access Repeater
L Linked Repeater
K Packet Operation
R Radioteletype Oper.
V Television (SS or ATV)
P Proposed Repeater
C Under Construction
O Off Air Temporarily
RB Remote Base System

Note some repeaters allow voice as well as other functions on their machine. Generally the second function is indicated, but does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for info.

MORE NORTH CAROLINA REPEATERS

220 MHZ

LK NORMN/CLT	WB4KPF	223.08	224.68	N	
LOCUST	WA4ZIA	222.40	224.00	*	PA
LUMBERTON	WB4WOR	222.54	224.14	*	
MARSHALL	KA4YTO	222.76	224.36		
MOORESBORO	N4JIF	222.60	224.20	N	C
MORGANTON	WB4PML	223.20	224.80	*	
MT MITCHELL	WA4BVW	222.94	224.54	*	
MT. TOXAWAY	K4MSK	223.12	224.72		
N. WILKESBORO	N4JFM	222.88	224.48	N	C
RALEIGH	WA4PEN	223.04	224.64	N	
ROCKY MOUNT	NF4C	222.36	223.96	*	
SALISBURY	W4EXU	223.16	224.76	*	
SAURATOWN MT	W4RXG	223.10	224.70	*	R
SAURATOWN MT	W4RXG	223.28	224.88	*	
STATESVILLE	WA4PVI	222.70	224.30	N	
WINSTON-SALEM	WA4YHH	223.04	224.64	N	

440 MHZ

AHOSKIE	WB4YNF	449.20	444.20	N	C
ASHVL/MT PISGAH	WA4COS	449.90	444.90	N	
CHAPEL HILL	K2MZ	448.875	443.875	N	C
CHARLOTTE	W4BFB	449.60	444.60		
CHARLOTTE	W4CQ	449.85	444.85	N	
DURHAM	WA4WTX	449.10	444.10	*	AL
EDEN	WA4ACP	447.10	442.10	N	
FAYETTEVILLE	KB4ZW	449.40	444.40	N	
FAYETTEVILLE	KB4ZW	449.90	444.90	N	P
GREENSBORO	WD4PQZ	448.50	443.50	*	
GREENVILLE	AI4J	449.80	444.80	N	
HENDSVL/BERWLW M	WA4KNI	449.25	444.25	*	
HICKORY	K4JEQ	449.00	444.00		
HIGH POINT	K4AZA	447.90	442.90	*	L
HIGH POINT	N4LXW	448.70	443.70	N	
LEWISVILLE	N4GGK	439.25	426.25	*	V
LEXINGTON	W4HTG	449.50	444.50	N	C
LOCUST	WA4LBT	448.70	443.70	N	
MORGANTON	WB4PML	447.05	442.05	N	C
MT AIRY/FSH PK	KF4UY	449.80	444.80	*	
MT MITCHELL	WA4BVW	434.25	421.25	*	V
MT MITCHELL	N4DWU	448.60	443.60	*	
MT PISGAH	WA4COS	449.875	444.875	N	C
N. WILKESBORO	N4GGN	448.35	444.35	N	C
NEWTON	WD4JWO	449.30	444.30	N	C
RALEIGH	N4BEA	447.15	442.15	*	L
ROCKY MOUNT	N4JEH	449.70	444.70	*	
SALISBURY	W4EXU	449.65	444.65	*	
SAURATOWN MT	N4GGK	439.25	421.25	N	
SAURATOWN MT	N4GGC	448.10	443.10	*	
SAURATOWN MT	WA4GIC	449.975	444.975	N	C
SHELBY	W4NYR	439.25	427.25		VPA
WILKESBORO	KC4XE	448.55	443.55	*	
WILLIAMSTON	KA4KNU	449.65	444.65	N	
WILMINGTON	KB4BR	449.70	444.70		
WILSON	NE4J	449.90	444.90	*	

920 MHZ

LEXINGTON	W4PAR	908.00	920.00	*	P
LEXINGTON	W4PAR	909.00	921.00	*	P

6 METERS

CARY	WR4AVP	52.35	53.35	N	
HENDERSONVILLE	WB4YAO	52.01	53.01	N	
HENDERSONVILLE	WB4YAO	52.525	52.525	N	RB
HICKORY	WA4MDW	52.47	53.47	N	
HIGH POINT	K4AZA	52.525	52.525	*	RB
NEWPORT	K4GRW	52.01	53.01	N	P
ROANOKE RAPIDS	WA4DTS	52.03	53.03	*	
SAPPHIRE	W4EHV	52.33	53.33	N	C
STATESVILLE	WA4WRS	52.67	53.67	N	

CVRA-SERA REPEATER SYMBOLS

Unmarked - 1st Column - Full Mbr.
★ Honor Roll Full Member
D Deliquent Membership
N NON Member SERA
NB Not on SERA Band Plan
M T-MARC Terr. Rptr.
A Autopatch (Open)
PA Private Autopatch
EA Emerg. Autopatch

T Tone Access Repeater
L Linked Repeater
K Packet Operation
R Radioteletype Oper.
V Television (SS or ATV)
P Proposed Repeater
C Under Construction
O Off Air Temporarily
RB Remote Base System

Note some repeaters allow voice as well as other functions on their machine. Generally the second function is indicated, but does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for info.

10 METERS

CHAPEL HILL	K2MZ	29.54	29.64	N	C
EDEN	WA4ACP	29.56	29.66	N	
SAPPHIRE	W4EHV	29.56	29.66	N	C
WILKESBORO	KC4XE	29.52	29.62	*	L

PACKET

CHARLOTTE	W4BFB-1	145.01	PKET		K
COLFAX	KE4TH-1	145.07	PKET	N	K
CONCORD	K4CEB-1	145.01	PKET	N	K
GOLDSBORO	K4CYP-1	145.01	PKET	N	K
RALEIGH	K4BWC-1	145.01	PKET	*	K
SAURATOWN MT	W4RXG-1	145.01	PKET	*	K
SPIVEY MTN	KB4OKW-1	145.01	PKET	*	K

SOUTH CAROLINA REPEATERS

2 METERS

AIKEN	N4ADM	147.885	147.285	*	
ANDERSON	N4SZ	146.37	146.97	*	PA
ANDERSON/SAS MT	W4FVV	146.19	146.79	*	
BAMBERG	WA4DFP	144.73	145.33	N	
BARNWELL	WA4FOF	147.63	147.03	*	
BIG KNOB/GREY CT	KB4YF	146.265	146.865	*	
CHARLESTON	WB4URP	144.65	145.25	N	
CHARLESTON	K4ILT	146.16	146.76	N	PA
CHARLESTON	W4IVE	146.19	146.79	N	
CHARLESTON	W4IVE	146.34	146.94	N	P
CHARLESTON	WB4LET	147.87	147.27	*	PA
CHARLESTON	K4LWS	147.90	147.30	N	A
CHELSEA	KB4GY	146.01	146.61	N	
CHERAW	KA4ABW	147.735	147.135	N	PA
CHESTER	KB4FJX	146.025	146.625	N	P
COLUMBIA	KC4LB	144.83	145.43	*	PA
COLUMBIA	K4AVU	146.28	146.88	N	
COLUMBIA	WA4KIO	147.93	147.33		
DILLON/PEE DEE	NN4N	146.145	146.745	*	EA
FLORENCE	W4ULH	146.25	146.85	N	A
FLORENCE	WA4ISM	146.37	146.97	*	PA
FT JACKSON	WB4OCB	146.16	146.76	N	
FT MILL/CAROWND	AA4SC	147.78	147.18		
GASTON	WB4NEP	144.61	145.21	N	PA
GEORGETOWN	WD4DMI	147.975	147.375		
GOOSE CREEK	W4NAT	147.78	147.18	N	
GREENVILLE	W4IQQ	146.34	146.94	N	
GREENVILLE	K4LEO	147.375	147.975	*	NBT
GREENWOOD	KB4YF	147.765	147.165	*	A
GREENWOOD/HODGES	KB4CS	144.53	145.13	N	
GRNVLE/CSRS HD	W4NYK	146.01	146.61	*	
GRNVLE/PARIS MT	W4NYK	146.22	146.82	*	PA
INMAN	WD8OXE	144.87	145.47		
LAKE MARION	W4DTW	147.825	147.225		A
LANCASTER	W4PAX	146.10	146.70	*	
LANCASTER	WB4BGF	147.84	147.24	N	
LEXINGTON	KA4FEC	147.99	147.39	*	
LITTLE MT.	K4AVU	147.81	147.21	N	
MARION	W4YLT	146.40	147.00	N	EA
MONCKS CORNER	KA4BJM	147.75	147.15	N	
MT PLEASANT	K4ESG	146.385	146.985		PA
MT PLEASANT	K4LWS	147.90	147.30		PA
MYRTLE BEACH	KI4CB	144.51	145.11	N	P
MYRTLE BEACH	K4IQM	146.01	146.61	N	PA
MYRTLE BEACH	WA4YGE	147.72	147.12	N	
MYRTLE BEACH, N	WA4JYR	147.63	147.03	N	PA
N. AUGUSTA	K4FKJ	146.13	146.73	*	
NEWBERRY	KB4CO	146.085	146.685	*	
ORANGEBURG	WR4AQY	147.69	147.09	N	A
PICKENS	WB4YXZ	146.40	147.00	*	
RKY RDG/WALLACE	KA4ABW	144.89	145.49		
ROCK HILL	KA4RFA	144.71	145.31	N	LPA
ROCK HILL	N4CWZ	146.325	146.925		PA
ROCK HILL	K4YTZ	146.43	147.03		PA
ROCKY SPUR	KS4I	147.885	147.285	N	
SENECA/LONG MT	WA4JRJ	147.87	147.27	N	
SIMPSONVILLE	WA4LDP	146.13	146.73	*	
SIMPSONVILLE	WA4SDT	147.75	147.15	N	R
SPARTANBURG	WD8OXE	147.69	147.09	N	PA
SUMMERVILLE	K7ZGW	147.96	147.36	N	EAP
SUMTER	WS4P	146.04	146.64	*	
SUMTER	WA4UMU	147.615	147.015	*	EA
SUMTER	W4VFR	147.66	147.06	*	A
WHITE HALL	W4BWZ	146.31	146.91	N	

PACKET

ANDERSON	W4FX-1	145.01	PKET	*	K
CHARLESTON	N4LYF-1	145.01	PKET	N	
COLUMBIA	N4EOY-1	145.01	PKET	*	K
CONWAY	WA4TKM-1	145.01	PKET	N	K
FLORENCE	W4ULH-1	145.01	PKET	N	K
LANCASTER	K4WJR-1	145.01	PKET	N	K
SUMTER	WS4P-1	145.01	PKET	*	K

MORE SOUTH CAROLINA REPEATERS

220 MHZ

COLUMBIA	N4EOY	223.30	224.90	*	RB
EASLEY/SASFRS MT	AJ4N	222.46	224.06		
GREER	W4ILY	222.38	223.98	N	PA
LITTLE MT	KA4FEC	222.52	224.12	*	
PICKENS/CSRS HD	WB4QHF	222.54	224.14	*	PA

440 MHZ

ANDERSON/SAS MT	WD4BUH	449.925	444.925		
CAESARS HEAD	WB4LZQ	448.875	443.875	N	
GREENVILLE	WB4HKZ	448.10	443.10	N	C
LEXINGTON	N4GUP	439.25	421.25	*	V
MT PLEASANT	N4DRU	449.70	444.70	N	
PICKENS/CSRS HD	WA6WAY	447.00	442.00	*	
ROCK HILL	KA4RFA	449.75	444.75	N	LPA
SUMMERVILLE	WA4HNK	443.80	448.80	N	NB
SUMTER	WA4UMU	439.25	427.25	N	V

6 METERS

COLUMBIA	N4GQH	52.15	53.15	N	
COPE	N4HSN	52.05	53.05	N	
PICKENS	WB4YXY	52.41	53.41	*	

VIRGINIA REPEATERS

2 METERS

ACCOMAC	WA4TVS	147.855	147.255		PA
ALEXANDRIA	N4FSC	144.71	145.31	M	PA
ALEXANDRIA	WD4PDP	146.055	146.655	M	PA
ALEXANDRIA	W4HFH	147.915	147.315	M	L
ALTAVISTA	WA4ISI	146.055	146.655	*	A
ARLINGTON	N4EFJ	144.87	145.47	M	
ARLINGTON	WA4YVM	146.445	147.045	M	T
BARREN SPRINGS	K4HZS	146.07	146.67	*	
BEDFD/APL ORCH	WB4DBB	144.63	145.23	*	
BEDFORD	WB4JBJ	147.705	147.105	*	LRPA
BLACKSBURG	AB9I	146.115	146.715	*	
BLAND	N4AZJ	144.75	145.35	1	L
BLUEFIELD	W8MOP	144.89	145.49	*	
BLUFLD/ER MT	KD8MZ	146.025	146.625	*	
BRISTOL	WD4CYZ	146.28	146.88	N	
BROMLEY MT	WR4ATJ	146.01	146.61	N	
CHARLOTTESVILLE	WA4TFZ	146.16	146.76	*	
CHARLOTTESVILLE	WA4TFZ	146.325	146.925	*	
CHESAPEAKE	K4NDH	144.69	145.29	N	EA
CHESAPEAKE	N4GSP	146.01	146.61	N	A
CHESAPEAKE	N4SD	146.19	146.79		A
CHESTERFIELD	KA4CBB	147.96	147.36	*	
CHESTERFLD CO	WA4ECM	147.66	147.06	*	A
COVINGTON	WA4HTI	146.205	146.805	N	
CULPEPPER	N4FAF	147.72	147.12	M	
DANVILLE	K4YZR	147.95	147.35	N	NB
DANVILLE(DCC)	WB4GJG	146.325	146.925	*	
DANVILLE/WHT OAK	K4WQS	146.10	146.70	N	
DISMAL PEAK	N4AZJ	147.735	147.135		
DUFFLD/POWLL MT	KA4BHH	146.10	146.70	*	
FAIRFAX	W4LBL	146.19	146.79	M	PA
FALLS CHURCH	W4AQD	144.75	145.35	M	T
FARMVILLE	WB4NWP	146.31	146.91		
FINCASTLE	W4WIC	146.04	146.64	*	
FRANKLIN	K4SPS	147.90	147.30	N	PA
FREDRICKSBURG	WB4LNT	147.615	147.015	*	
GALAX	WA4ZIV	144.79	145.39	N	
GALAX/BRIRP MT	N4VL	147.69	147.09	*	A
GALAX/LKOUT MT	N4VL	144.53	145.13	*	EA
GATE CITY	WD4GTA	147.945	147.345	N	
GLOUCESTER	KA2IMI	144.77	145.37		
GRUNDY	K4HWQ	147.92	147.32	N	ANB
GUM SPRING	KB4GX	147.87	147.27	*	
HAMPTON	K4DHO	146.13	146.73		PA
HAMPTON	K4UMI	146.34	146.94	N	T
HAZEL MT	WD4CYZ	146.235	146.835	N	
HILLSVILLE	WD4BTJ	147.975	147.375	N	A
JONESVILLE	WA4OVC	146.31	146.91	*	
KILMARNOCK	W2MS	144.61	145.21	N	C
LEXINGTON	KI4ZR	146.07	146.67	*	A
LEXINGTON	KI4ZR	147.90	147.30	*	C
LEXNGTN/COLE MT	K4PQD	147.93	147.33	N	
LYNCHBURG	W4WWQ	146.01	146.61	N	
LYNCHBURG	K4STE	146.16	146.76	*	A
LYNCHBURG	AB4M	147.43	144.93	N	NB
LYNCHBURG	WA4RTS	147.795	147.195	N	
LYNCHBURG	W4OSH	147.975	147.375	N	PA
MADISON	N4AJO	147.99	147.39	M	
MANASSAS	WD4JCE	144.67	145.27	M	R
MANASSAS	WA4FPM	146.37	146.97	*	PA
MARION	N4BIW	146.04	146.64	*	
MARTINSVILLE	AB4L	147.885	147.285	*	
MCLEAN	WD4IWG	147.81	147.21	M	R
MT. LK/BALD KNB	K4TUE	146.31	146.91	N	
NARROWS/DISML PK	N4AZJ	147.825	147.225	N	
NEW MARKET	WB4DAK	146.025	146.625	*	
NEWPORT NEWS	WB4CTF	147.765	147.165		PA
NEWPORT NEWS	WA4OHX	147.975	147.375	N	PA
NORFOLK	NE4D	146.10	146.70	N	
ONEIDIA PEAK	KD8MZ	146.325	146.925	*	
PETERSBURG	N4KAF	147.78	147.18	N	
PETERSBURG	K4ARO	147.84	147.24	*	TPA
PETERSBURG	K4ARO	147.99	147.39	*	
PKS KB/PULASKI	KT4Z	147.78	147.18	*	PA
PORTSMOUTH	N4MG	146.25	146.85		
RADFORD	KC4WA	147.645	147.045	*	
RICHMOND	K4YPE	144.51	145.11	*	A
RICHMOND	W4SQT	144.83	145.43	*	PA
RICHMOND	WB4QEY	146.04	146.64	*	PA
RICHMOND	WA4ZBE	146.28	146.88	*	EA
RICHMOND	W4ZA	146.34	146.94	*	
RICHMOND	WA4JST	146.43	147.03	N	
RICHMOND	N4HB	147.735	147.135	*	
ROANOKE	WB4QET	146.34	146.94	N	A
ROANOKE/POOR MT	WB4QOJ	146.145	146.745	N	LPA
ROANOKE/POOR MT	W4CA	146.385	146.985	*	
SALEM	W4PDL	146.28	146.88	N	
SOUTH BOSTON	WD4LBM	146.46	147.06	*	
STAUNTON	W4XD	146.10	146.70	*	
STAUNTON	WA4ZBP	146.25	146.85	*	
STAUNTON	W4WRN	146.37	146.97	N	EA
STAUNTON/EL. KB	W4WRN	147.645	147.045	N	
STERLING	WA4TXE	146.115	146.715	M	
SUFFOLK	WA4HMT	146.40	147.00	N	PA
TAZEWELL	WD4DZE	147.75	147.15	N	
TYSONS CORNER	WB4FMD	146.31	146.91	M	PA
VIENNA	K4HTA	146.085	146.685	M	
VIRGINIA BEACH	WA4KXV	146.37	146.97	*	PA
VIRGINIA BEACH	WA4SBC	147.645	147.045	N	
WARRENTON	WB4FJT	147.765	147.165	M	
WARSAW	KA4ZIP	147.93	147.33		
WAYNESBORO/FMS	W4BLD	147.63	147.03	*	
WAYNSBR/AFTON MT	W4PNT	147.675	147.075		L
WILLIAMSBURG	W4NTG	146.07	146.67		
WINCH/BLUEMONT	WA4TSC	147.90	147.30	N	
WINCHESTER	W4RKC	146.22	146.82	*	
WISE/HIGH KNOB	K4AXO	147.81	147.21	N	
WOODBRIDGE	WB4FQR	147.84	147.24	M	A
WYTHE/PULASKI	KC4VR	147.945	147.345		A
WYTHEVILLE	WA4EMS	146.175	146.775	*	
YORKTOWN	WD4SDC	147.825	147.225	N	

220 MHZ

ALEXANDRIA	WA4CCF	223.22	224.82	M	L
DAN/WHT OAK	K4OAK	223.16	224.76	N	
FAIRFAX	WB4YHD	222.50	224.10	M	L
FALLS CHURCH	N4CHP	223.38	224.98	M	PA
FRIES/PT LKOUT	WA4DFH	222.74	224.34	*	
PETERSBURG	K4ARO	222.40	224.00	*	
ROANOKE	WB4DBB	222.50	224.10	*	L
ROANOKE/POOR MTN	WB4DBB	223.34	224.94	*	
STERLING PK	WD4KHP	222.12	223.72	N	C
TYSONS CORNER	WD4KHP	223.12	224.72	N	PL

440 MHZ

ALEXANDRIA	WR4AAG	439.25	426.27	M	V
ALEXANDRIA	W4HFH	449.60	444.60	M	
ALTAVISTA	WA4ISI	449.425	444.425	*	L
BEDFD/APL ORCH	WB4DBB	449.35	444.35	*	L
CHARLOTTESVILLE	WA4TFZ	449.25	444.25	*	
CHESAPEAKE	N4EVG	448.90	443.90	*	A
COVINGTON	WA4HTI	447.25	442.25	N	
FALLS CHURCH	WB8CRK	449.45	444.45	M	L
FINCASTLE	W4WIC	448.75	443.75	*	
HAMPTON	K4UMI	448.65	443.65	N	
LEXNGTN/COLE MT	K4PQD	449.15	444.15	N	
LYNCHBURG	K4HEX	449.50	444.50	N	
MANASSAS	WD4JCE	444.225	449.225	M	L
MANASSAS	WB3EAQ	448.30	443.80	M	
NORFOLK	W4WIN	439.25	426.25	N	V
NORTHWEST/SE VA	KR4K	448.80	443.80	N	
PETERSBURG	K4ARO	449.85	444.85	*	
RICHMOND	N4HB	449.00	444.00	N	
RICHMOND	K4ARO	449.65	444.65	*	
ROANOKE	WB4DBB	446.65	446.65	*	RBL
ROANOKE	N4HON	447.70	442.70	*	
ROANOKE/POOR MT	W4CA	447.50	442.50	*	
SALUDA	WA4UAF	448.90	443.90	N	
SPRINGFIELD	AA4VA	449.15	444.15	M	
STAUNTON	WA4ZBP	449.825	444.825	*	

This CVRA-SERA Official Repeater Index Is Correct As of July 20, 1986

MORE VIRGINIA REPEATERS

440 MHZ

STAUNTON	W4WRN	449.95	444.95	N	
TYSONS CORNER	WB6GUS	448.50	443.50	M	
TYSONS CORNER	K4JYF	449.75	444.75	M	
VIRGINIA BEACH	WA4KXV	449.95	444.95	*	
WAYNESBORO	W4BLD	449.30	444.30	*	TPA
WAYNSBR/AFTON MT	W4BLD	449.05	444.05	*	
WILLIAMSBURG	W4NTG	448.95	443.95	M	
WINCH/BLUEMONT	WA4TSC	444.925	449.925	N	NB
WINCHESTER	W3CSG	447.00	442.00	M	
WOODBRIDGE	WB4FQR	444.90	449.90	M	

10 METERS

CHARLOTTESVILLE	WA4TFZ	29.60	29.60	*	RB
STERLING	KD4DN	29.58	29.68	M	P

6 METERS

ABINGTON	WR4ATJ	52.01	53.01	M	L
ALEXANDRIA	WA4CCF	52.13	53.13	M	L
BEDFORD/THAX MT	WB4DBB	52.15	53.15	*	
CHARLOTTESVILLE	WA4TFZ	52.525	52.525	*	RB
DANVILLE(DCC)	WB4GJG	52.13	53.13	*	
FAIRFAX	KA4DCS	52.58	52.48	M	NB
FAIRFAX STA	WD4KHP	52.64	52.84	N	NB
LEXNGTN/COLE MT	K4PQD	52.01	53.01	N	L
NORTN/HIGH KB	K4LSP	52.01	53.01	N	
RICHMOND	KA4NNN	52.43	53.43	N	N
RIDGEWAY	KE4FJ	52.25	53.25	N	
ROANOKE	WB4DBB	52.25	53.25	*	L

PACKET

CHARLOTTESVILLE	WA4TFZ-1	145.01	PKET	*	CK
GLEN ALLEN	K4ARO-1	145.01	PKET	*	K
HAMPTON	K4UMI-1	145.23	PKET	N	K
VIRGINIA BEACH	WA4KXV-1	145.01	PKET	*	K
WYTHE/PULASKI	KC4VR-1	145.01	PKET		K

TENNESSEE REPEATERS

2 METERS

ALAMO	WB4EDS	147.735	147.135	N	
ATHENS	WB4GRC	144.71	145.31	N	
BENTON	K4SIR	144.85	145.45	N	
BLOUNTVILLE	WA4KMG	147.60	147.00		
BRISTOL	K4ILW	146.07	146.67		A
BRISTOL	WD4CYZ	146.28	146.88	N	
BRISTOL/HLSTN MT	K4LSP	147.765	147.165	N	
BROWNSVILLE	WA4ABU	146.655	146.055	N	NB
CHATT/SIGNAL MT	AD4F	146.055	146.655	*	
CHATT/SIGNAL MT	WA4ZOK	147.60	147.00	N	PA
CHATTANOOGA	K4VCM	144.69	145.29	N	
CHATTANOOGA	KB4TZ	144.79	145.39	N	A
CHATTANOOGA	K4CMY	146.01	146.61	N	
CHATTANOOGA	W4DSK	146.19	146.79	N	A
CHATTANOOGA-RTTY	K4CMY	144.53	145.13	N	
CLARKSVILLE	WA4TEQ	147.60	147.00	N	
CLEVELAND	WD4DES	147.78	147.18	N	
COOKEVILLE	WA4UCE	146.07	146.67	N	A
COOKEVILLE	N4WS	147.81	147.21	N	PA
COVINGTON	WA4VXW	147.93	147.33	N	
CROSSVILLE	KE4RX	146.04	146.64	*	
CROSSVILLE	W4CV	147.93	147.33	N	
CUMBERLAND CTY	N4GMT	144.73	145.33	N	
DAYTON/RHEA CTY	K4ZLA	147.99	147.39	N	
DECATUR-PONE KB	W4RJC	144.55	145.15	*	
DONELSON	WA4BZU	147.885	147.255	N	TPA
DYERSBURG	AA4HF	146.145	146.745	N	
ELZ/JC/HLST MT	WB4SQC	144.69	145.29	N	A
FAYETTEVILLE	KO4G	146.265	146.865	N	
FAYETTEVILLE	W4NIQ	147.63	147.03	N	
FISHERVILLE	N4DRL	144.65	145.25	*	A
FRANKLIN	WB4HCK	144.55	145.15	N	RB
FRAYSER	W4UFT	146.10	146.70	N	
GALLATIN	W4NIT	147.84	147.24	N	PA
GALLATIN	WA4YQC	147.87	147.27	N	PA
GALLATIN	WB4DLQ	147.99	147.39	N	T
GREENEVILLE	WS4X	144.79	145.39	*	
GREENEVILLE	WB4TUO	144.81	145.41	*	
GRNVLE/GRYSTN	WA4LYF	147.66	147.06	*	A
GTLBG/COVE MTN	WA4KJH	146.25	146.85	N	LEA
HENDERSONVILLE	WB4WZK	144.67	145.27	*	
HENDERSONVILLE	WD4FFM	147.945	147.345	N	
HERMITAGE	WB4DOR	144.79	145.39	*	
HUMBOLDT	NQ4Y	144.75	145.35	*	
JACKSON	KF4SC	144.71	145.31	N	
JACKSON	W4WKZ	147.81	147.21	N	
JASPER	KD4XX	144.59	145.19	N	
JOHNSON CITY	??	146.19	146.79	N	
JOHNSON CITY	KE4FH	147.87	147.27	N	A
KNGSPT/BAYS MT	W4TRC	146.37	146.97		PA
KNOXVILLE	WB4JSD	144.51	145.11	*	R
KNOXVILLE	K4KFD	144.61	145.21	N	A
KNOXVILLE	WA4TEM	144.73	145.33	*	A
KNOXVILLE	WA4GZE	144.77	145.37		EA
KNOXVILLE	WB4GBI	144.83	145.43		
KNOXVILLE	WB4GBI	144.87	145.47		
KNOXVILLE	WB4GBI	146.34	146.94		
KNOXVILLE	K4HXD	147.675	147.075	N	A
KNOXVILLE	W4BBB	147.90	147.30	*	
KNXVL/CROSS MT	KA4OAK	147.96	147.36	*	
KNXVL/ENG MT	WB4IOB	146.13	146.73	*	
LAFOLLETTE	KA4OAK	144.53	145.13	*	A
LAFOLLETTE/WMT	K4BQW	146.07	146.67	*	
LAKE CITY	WB4OAH	146.22	146.82	N	
LEBANON	WB4DOR	144.59	145.19	*	
LEBANON	KE4VZ	146.13	146.73	N	PA
LENOIR CITY	KE4SK	144.57	145.17	N	
LEXINGTON	WB4LGH	146.43	147.03	N	
MANCHESTER	W4UOT	146.10	146.70		A
MARTIN	WA4ZQX	146.025	146.625	*	
MCMINNVILLE	WA4CPJ	146.37	146.97	*	A
MCMINVL/SHT MT	W4KKO	144.89	145.49	*	
MEDINA	K4BEZ	146.37	146.97	N	A
MEMPHIS	WA4VIP	144.81	145.41	N	
MEMPHIS	WA4KOG	144.89	145.49	N	
MEMPHIS	W4GYS	146.04	146.64	N	
MEMPHIS	WA4DAZ	146.13	146.73	N	
MEMPHIS	K4FZJ	146.19	147.51	N	NB
MEMPHIS	W4BS	146.22	146.82	N	
MEMPHIS	WA4KOG	146.25	146.85	N	A
MEMPHIS	WA4ETE	146.28	146.88	N	A
MEMPHIS	K4BN	146.34	146.94	N	A
MEMPHIS	K4FZJ	146.40	147.00	N	
MEMPHIS	WA4MQQ	146.46	147.06	N	
MEMPHIS	W4ZJM	147.63	147.03	N	L
MEMPHIS	WB4DAZ	147.72	147.12	N	AT
MEMPHIS	WA5KUB	147.75	147.15	N	
MEMPHIS	WA4KOG	147.78	147.18	N	
MEMPHIS	WD4APK	147.84	147.24	N	
MEMPHIS	WA4ADT	147.90	147.30	N	
MEMPHIS	WB4MMI	147.96	147.36	N	
MILLINGTON/NB	W4ODR	146.43	147.03	N	L
MORRISTOWN	WD4PRQ	147.63	147.03	N	EA
MORRISTOWN	WB4OAH	147.825	147.225	N	
MOUNTAIN CITY	WD4OMO	144.87	145.47	N	
MURFREESBORO	N4FUD	144.63	145.23	N	
MURFREESBORO	WB4LHO	144.57	145.17	N	PA
NASHVILLE	N4AJS	144.65	145.25	N	
NASHVILLE	WD4FFM	144.69	145.29	N	
NASHVILLE	WD4JYD	144.75	145.35	N	
NASHVILLE	N4ARK	144.87	145.47	N	
NASHVILLE	WA4PCD	146.01	146.61	N	PA
NASHVILLE	WB4NTM	146.04	146.64	N	EA
NASHVILLE	WA4PCD	146.16	146.76	N	
NASHVILLE	W4SQE	146.19	146.79		
NASHVILLE	WA4PCD	146.25	146.85	N	PA
NASHVILLE	WA4PCD	146.28	146.88	N	
NASHVILLE	WA4PCD	146.34	146.94	N	
NASHVILLE	AF4K	147.615	147.015	N	
NASHVILLE	WA4PCD	147.75	147.15	N	
NASHVILLE	WA4PCD	147.78	147.18	N	
NASHVILLE	WB4ZSA	147.90	147.30	*	
NASHVILLE	N4AJS	147.93	147.33	N	
NASHVILLE S.	WB4NTM	147.96	147.36	N	R
NASHVILLE S.W.	WB4NTM	146.07	146.67	N	EA
OAK RIDGE	W4SKH	146.28	146.88	N	
OAK RIDGE	W4SKH	146.37	146.97	N	A
OAK RIDGE	K4EAJ	147.72	147.12	*	L
OAK RIDGE	K4EAJ	147.75	147.15	*	R
PARIS	WA4CEX	147.765	147.165	N	
PARIS	K4KLX	147.96	147.36		A
PIKEVILLE	K4MJM	147.885	147.285	*	
PULASKI/MUS MT	W4JVO	146.175	146.775		A

CVRA-SERA REPEATER SYMBOLS

Unmarked - 1st Column - Full Mbr.
★ Honor Roll Full Member
D Deliquent Membership
N NON Member SERA
NB Not on SERA Band Plan
M T-MARC Terr. Rptr.
A Autopatch (Open)
PA Private Autopatch
EA Emerg. Autopatch
T Tone Access Repeater
L Linked Repeater
K Packet Operation
R Radioteletype Oper.
V Television (SS or ATV)
P Proposed Repeater
C Under Construction
O Off Air Temporarily
RB Remote Base System

Note some repeaters allow voice as well as other functions on their machine. Generally the second function is indicated, but does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for info.

MORE TENNESSEE REPEATERS

2 METERS

PURYEAR	WA4CEX	147.765	147.165	*	
SAVANNAH	WB4DQU	146.31	146.91	N	
SEV/SHIELDS MT	N4CJX	144.67	145.27		
SHELBYVILLE	W4QEB	147.66	147.06	*	A
SHORT MTN	W4YXA	146.31	146.91	N	
SPARTA/BON AIR	W4BSA	147.69	147.09	*	A
SPRING HILL	NW4E	144.85	145.45	N	A
STANTONVILLE	KA4OHC	144.79	145.39	N	
UNION CITY	WA4YGM	146.10	146.70	*	
UNION CITY	WA4YGM	147.015	147.615	*	A NB
WAVERLY	NO4Q	146.085	146.685	N	
WINCHESTER	WB4UEW	146.22	146.82		

220 MHZ

CHATT/SIGNAL MT	WA4ZOK	223.30	224.90	N	
CHATTANOOGA	K4VCM	223.18	224.78	N	A
CLARKSVILLE	KF4GP	222.34	223.94	N	
FRANKLIN	WD4SGS	222.54	224.14	N	
GALLATIN	WB4ZSA	222.38	223.98	*	
GREENEVILLE	WB4NKM	223.34	224.94	*	A
HERMITAGE	WB4RAB	222.30	223.90		
HICKORY VALLEY	KA5TAG	222.58	224.18	N	
KNOXVILLE	WA4YON	222.86	224.46	*	
KNOXVILLE	W4BBB	222.90	224.50	*	
KNOXVILLE	KB4CTS	223.22	224.82	N	C
MEMPHS/FRAYSER	W4ZJM	222.34	223.94	N	LO
NASHVILLE	N4TB	222.42	224.02	N	
NASHVILLE	WB4UEX	222.48	224.08	N	
NASHVILLE	N4AWB	222.62	224.22	N	

440 MHZ

ALAMO	WB4EDS	448.75	443.75	N	L
CHATT/SIGNAL MT	WA4ZOK	439.25	427.25	N	V
CHATTANOOGA	N4JSR	447.325	442.325	N	
CHATTANOOGA	WA4NFO	449.10	444.10	N	
ELIZ/HOLSTON MT	WB4BFS	449.75	444.75	N	
FAYETTEVILLE	KO4G	448.10	444.10	N	
FISHERVILLE	N4DRL	432.01	BEACON	*	O
FISHERVILLE	N4DDS	449.30	444.30	*	O
FRANKLIN	KA4IDB	448.85	443.85	N	
GALLATIN	WD4BKY	449.35	444.35	N	
GALLATIN	WD4KWP	449.45	444.45	*	
GATLBG/COVE MT	WA4KJH	448.30	443.30	N	L
GREENEVILLE	WB4NKM	449.65	444.65	*	
HICKORY VALLEY	KA5TAG	448.20	443.20	N	C
JACKSON	WA4BJY	447.20	442.20	N	
JACKSON	WB4EPG	447.80	442.80	*	A
JACKSON	WB4EPG	447.825	442.825	*	C
JASPER	KD4XX	447.05	442.05		C
KNOXVILLE	WA4NTZ	447.50	442.50	N	
KNOXVILLE	K4HXD	449.30	444.30	N	
KNOXVILLE	KB4NK	449.60	444.60	*	
KNOXVILLE	WB4GBI	449.70	444.70		
MEDINA	K4BEZ	447.05	442.05	N	AL
MEMPHIS	WA4KOG	444.40	449.40	N	NB
MEMPHIS	WA4QWW	447.80	442.80	N	
MEMPHIS	W4ZJM	448.00	443.00	N	O
MEMPHIS	WA4DOR	448.40	443.40	N	A
MEMPHIS	KA4JXT	449.10	444.10	N	
MEMPHIS	KA4IZF	449.50	444.50	N	A
MEMPHIS	WD4APK	449.80	444.80	N	
MILAN	WD4ABJ	447.10	442.10	N	
MORRISTOWN	KA4NEX	449.20	444.20	N	
NASHVILLE	WB4NTM	449.15	444.15	N	C
NASHVILLE	WA4PCD	449.55	444.55	N	
NASHVILLE	W4AY	449.675	444.675	N	
NASHVILLE	WB4QES	449.775	444.775	N	
NASHVILLE	WB4THG	449.875	444.875	N	
NASHVILLE	WB4QES	449.975	444.975	N	
OAK RIDGE	K4EAJ	449.40	444.40	*	L
PARIS/GROVE HL	WA4WKS	448.50	443.50		
SMYRNA	N4FUD	449.25	444.25	N	
WATERTON	KE4VZ	449.825	444.825	N	C

10 METERS

KNXVL/ENG MT	WB4IOB	29.52	29.62	*	
MEMPHIS/FRAYSER	W4ZJM	29.52	29.62	N	

6 METERS

CHATTANOOGA	WB4LRD	52.01	53.01	N	
COOKEVILLE	WA4UCE	52.13	53.13	N	C
GALLATIN	WD4KWP	52.45	53.45	*	C
KNOXVILLE	WB4GBI	52.35	53.35		
KNOXVILLE	WA4YON	52.64	53.64	*	
KNOXVILLE	K4HXD	52.76	52.525	N	NB
KNXVL/ENG MT	WB4IOB	52.15	53.15	*	
MEMPHIS	WA4KOG	52.01	53.01	N	

PACKET

KNOXVILLE	KB4NK-1	145.01	PKET	*	K
KNOXVL/CROSS MT	WA4YON-1	145.01	PKET	N	K
MEMPHIS	WB4MQD-1	145.33	PKET	N	K
PIKEVILLE	K4MJM	145.01	PKET	*	K
SHORT MT	W4YXA-1	145.01	PKET	N	CK

WEST VIRGINIA REPEATERS

2 METERS

ALDERSON	WA8AVZ	146.13	146.73	N	
BECKLEY/EOC	KC8FW	144.77	145.37	N	LA
BKLY/FLAT TOP MT	K8BO	146.25	146.85	N	A
BLUEFIELD	W8MOP	144.89	145.49	*	
BOLT MT	KD8X	144.57	145.17	*	L
BRIDGEPORT	K8VNQ	147.72	147.12	*	EAL
BUCKHANNON	WD8LND	146.04	146.64	N	
BUCKHANNON	K8WYH	146.25	146.85	N	
CHARLESTON	W8WHQ	144.83	145.43	N	
CHARLESTON	WB8IFS	146.22	146.82	N	
CHARLESTON	WB8CQV	146.28	146.88	N	
CLARKSBURG	N8FMD	146.22	146.82		
CLARKSBURG	WB8DTM	146.50	52.525	N	NB
CLARKSBURG	KA8OHX	147.915	147.315	N	
CRAIGSVILLE	KD8OG	144.67	145.27		L
DUNBAR	K8VKI	147.72	147.12	*	EA
EAST RIVER MNT	WD8OGY	146.355	146.955	N	A
ELKINS	WD8LND	144.69	145.29	N	P
FAIRMONT	W8SP	146.30	146.90		NB
FRANKLIN	W3RUA	147.945	147.345	*	
GASSAWAY	KA8HEZ	146.115	146.715	N	
GRAFTON	K8VNQ	147.975	147.375	*	L
HARRISVILLE	WB8NSL	147.90	147.30	N	
HUNTINGTON	WB8FEQ	144.61	145.21		R
HUNTINGTON	W8VA	146.16	146.76	*	A
HUNTINGTON	KA8BKX	147.90	147.30	N	PA
HUNTINGTON/CHAS	WB8EZR	146.04	146.64	*	
JANELEW	KD8RD	147.675	147.075	N	P
KINGSTON/LICK KB	W8FG	144.87	145.47	*	L
LAYLAND/MANN MT	N8BZS	144.71	145.31	*	L
LEON	WB8NMT	147.78	147.18	N	
LIBERTY	K8SLI	144.81	145.41	N	P
LOGAN	WA8ZLR	146.09	147.11	N	ONB
LOGAN/WARD RK MT	WD8DRV	146.37	146.97	*	A
MADISON	KA8JYR	146.06	147.06	N	NB
MARMET/BEE MT	N8DBN	144.55	145.15	N	
MARTINSBURG	WA8FSE	144.55	145.15	M	
MARTINSBURG	WB8VAZ	147.855	147.255	M	
MCMECHEN	WA8ULB	146.31	146.91	*	PA
MORGANTOWN	K8LG	144.83	145.43	N	L
MORGANTOWN	W8CUL	146.16	146.76	*	LPA
MULLENS/HRNDN MT	KC8IT	147.63	147.03	*	LA
NEW MARTINSVLLE	WB8CSW	147.94	146.94		NB
OAK HILL	K8CFT	146.19	146.79	*	EA
PARKERSBURG	WA8CRW	146.37	146.97		
PARKERSBURG	W8JZN	147.99	147.39		
PARSONS	K8VNQ	144.73	145.33	*	EAL
POINT PLEASANT	W8KNM	147.66	147.06	N	
PRINCETON	KA8PNC	146.46	147.06	*	A
RAVENSWOOD	WD8JNU	146.07	146.67	*	
RAVENSWOOD	WD8JNU	146.10	146.70	*	R
RIPLEY	K8SNW	146.31	146.91	N	P
SALT ROCK	WD8MCR	144.51	145.11	N	
SCOTT DEPOT	K8SLI	147.87	147.27	N	A
SHERRARD	KD8GL	146.115	146.715	*	EA
SPENCER	N8APG	147.705	147.105	N	P
ST ALBANS	WB8GDY	146.40	147.00	*	
ST ALBANS	K8WMX	147.975	147.375	*	R
ST ALBANS/COAL	WB8KAD	146.12	146.72	N	PA
ST ALBANS/COAL	WB8OEC	147.75	147.15	N	
ST MARYS/BENS R	WB8ECC	147.63	147.03	N	L
SUMMERSVILLE	K8VKB	146.34	146.94		
TERRA ALTA	KD8ZR	147.60	147.00	*	PA
WEIRTON	KC8JN	146.34	146.94	N	A
WELCH	WB8SXZ	144.85	145.45	N	
WESTON	WD8EOM	144.79	145.39	N	PAL
WHEELING	W8YFX	144.59	145.19	N	
WHEELING	W8JDH	146.16	146.76	N	
WILLIAMSON	N8GEO	144.73	145.33	*	PA

220 MHZ

HUNTINGTON	KA8BKX	222.54	224.14	N	
KINGSTON/LICK KB	W8FG	223.14	224.74	*	
WILLIAMSON	N8ENR	223.00	224.60	N	P

6 METERS

BOLT/BOLT MT	N8DKL	52.05	53.05	N	
DANVILLE/MADSN	K8JYR	52.06	53.66	N	NB
HERNSHAW/BEE MT	KA8SVR	52.09	53.69	N	NB
RAND	N8CDE	52.12	53.72	N	NB
ST ALBANS/COAL	WD8JKA	52.03	53.63	N	NB
ST MARYS/BENS R	WD8RET	52.17	53.17	N	L

MORE WEST VIRGINIA REPEATERS

440 MHZ

CHARLESTON	KU8R	439.25	421.25	N	V
HERNDON/HRNDN MT	N8CYH	449.00	444.00	*	
HUNTINGTON	KA8QYO	449.50	444.50		
LICK KNOB	N8FRV	449.80	444.80	*	
LOGAN/WARD RK	WB8FQJ	449.40	444.40		P
MORGANTOWN	K8LG	449.70	444.70	N	L
MORGANTOWN	W8CUL	449.80	444.80	*	PA

PACKET

HUNTINGTON	KA8EUV-1	145.01	PKET	N	
LOGAN/BLAIR MT	WB8FQJ-1	145.01	PKET		K
MORGANTOWN	N8BHI-1	145.01	PKET	*	K
ST ALBANS	K8SLI-1	145.01	PKET	N	

GEORGIA REPEATERS

2 METERS

ADAIRSVILLE	WD4IWL	146.085	146.685	N	
ALBANY	W4MM	144.55	145.15	*	L
ALBANY	W4MM	146.10	146.70	*	
ALBANY	W4MM	146.13	146.73	*	
ALBANY	W4MM	146.22	146.82	*	
ALBANY	WB4TFW	147.75	147.15	*	
AMERICUS	N4KD	146.04	146.64	N	P
AMERICUS	K4VBH	147.87	147.27	N	
ASHBURN	KF4BI	147.885	147.285	*	
ATHENS	WA4BKF	146.145	146.745	*	A
ATHENS	K4TQU	147.375	147.975	*	
ATLANTA	K4DRQ	144.69	145.29	*	
ATLANTA	WA4JDR	144.71	145.31	N	
ATLANTA	W4BOC	144.85	145.45		
ATLANTA	W4BOC	146.16	146.76		
ATLANTA	W4DOC	146.22	146.82		PA
ATLANTA	N4OD	146.37	146.97	N	
ATLANTA	WA4NNO	146.40	147.00	*	PA
ATLANTA	KD4RR	147.705	147.105	N	
ATLANTA	K4SMX	147.795	147.195	N	
ATLANTA	WD4KDT	147.855	147.255	*	PAL
ATLANTA/AIRPORT	W4REI	147.63	147.03	*	
ATLANTA/BELL	W4PME	144.81	145.41	*	
ATLANTA/GA TECH	W4AQL	144.55	145.15	*	PA
ATLANTA/GPCO	WA4VBX	147.885	147.285	*	
ATLANTA/SWEAT MT	WB4UPC	144.83	145.43	*	A
ATLANTA/SWEAT MT	WB4UPC	147.94	147.34	*	
AUGUSTA	W4TUN	144.51	145.11		A
AUGUSTA	W4LWT	146.04	146.64	*	
AUGUSTA	WB4IHR	146.235	146.835	*	C
AUGUSTA	K4AUM	146.34	146.94		
AUGUSTA	NA4I	146.385	146.985	*	PA
AUGUSTA	W4ALK	147.72	147.12		PA
AUGUSTA	N4BMA	147.78	147.18	*	RPA
AUGUSTA	KB4NHY	147.97	147.37	N	P
AUGUSTA/AIKEN,SC	N4JA	144.89	145.49	*	
BALDWIN	WD4NHW	147.78	147.18		A
BRUNSWICK	K4TVE	146.13	146.73	N	
CARROLLTON	W4FWD	146.04	146.64	*	A
CEDARTOWN	W4CMA	147.72	147.12	*	PA
CLEVELAND/LONG	K4FOW	146.31	146.91	*	
CLEVELAND/LONG	K4FOW	147.615	147.015	*	
COHUTTA-RTTY	W4KAU	146.46	147.06	*	RC
COLLEGE PARK	WB4LBM	144.51	145.11	N	O
COLUMBUS	WD4BDU	144.71	145.31	N	
COLUMBUS	W4FIZ	146.01	146.61	*	
COLUMBUS	W4FIZ	146.13	146.73	N	
COLUMBUS	N4AGO	146.28	146.88	*	
COLUMBUS-RTTY	K4ACH	144.77	145.37	*	R
CONYERS	KE4SG	147.81	147.21	*	PA
CORDELE	WA4RWS	144.89	145.49	*	
COVINGTON	WA4ASI	146.925	146.325	N	
CUMMING/SAWNEE	K4BYK	147.75	147.15	N	PA
DALLAS	K4DVJ	146.25	146.85	N	
DALTON	K4WNG	144.63	145.23	N	
DALTON	N4BZJ	144.65	145.25	N	O
DALTON	N4BZJ	145.65	145.25	*	
DALTON	N4BZJ	147.735	147.135	*	
DALTON	KE4LN	147.81	147.21	*	
DECATUR	W4VTA	144.51	145.11	*	EA
DECATUR	WB4CPL	144.75	145.35	*	
DOUGLASVILLE	KB4EO	147.96	147.36	*	A
DUBLIN	WA4HZX	147.96	147.36	N	
ELLIJAY	W4HHH	146.385	146.985	*	
FAYETTEVILLE	K4UWN	146.085	146.685	*	
FOLKSTON	K4DMK	146.19	146.79	N	
FOREST PARK	K4KQK	144.65	145.25	N	
FORSYTH	WR4AQA	147.315	147.915	N	
GAINESVILLE	W4NSO	146.07	146.67		A
GRIFFIN	WB4GWA	144.79	145.39	*	PA
GRIFFIN	K4HYB	146.31	146.91	*	
HAMILTON	N4GDG	146.835	146.235	N	
HAMILTON/PINE MT	WB4ULJ	144.59	145.19	N	
HAMPTON	AC4P	146.235	146.835	N	
HARTWELL	KY4T	146.895	146.295	N	EA
IRWINTON	WB4NFG	147.84	147.24	N	
JACKSONVILLE(FL)	N4KBD	144.85	145.45		PA
JASPER	KB4IZF	144.77	145.37	*	
JASPER	KB4IZF	146.10	146.70	*	A
JESUP	WA4EQL	146.07	146.67	N	
JONESBORO	WA4DIW	144.57	145.17	*	EA
JONESBORO	WA4OGE	144.73	145.33	N	
LAGRANGE	KO4R	146.25	146.85	N	
LAGRANGE	WB4BXO	147.93	147.33	N	
LYONS	K4HAO	146.22	146.82	N	
MACON	WB4OLL	144.83	145.43	N	
MACON	W4BKM	146.06	146.66	N	
MACON	K4ICT	147.66	147.06	*	T
MADISON	WB4DKY	146.265	146.865	*	
MARIETTA	WA4QPL	144.89	145.49		PA
MARIETTA	N4NFP	146.055	146.655	N	
MARIETTA	KE4FT	146.13	146.73	N	
MARIETTA	KC4KE	146.175	146.775	*	
MARIETTA	W4BTI	146.28	146.88	*	
MARIETTA	WA4QPL	147.015	147.615	N	
METTER	W4TYM	147.645	147.045	*	
MILLEDGEVILLE	KF4LI	144.55	145.15	*	A
MILLEDGEVILLE	WB4DOJ	146.10	146.70	N	
MILLEDGEVILLE	KF4LT	146.205	146.805	N	
MOULTRIE	WD4KOW	146.19	146.79	N	
NEWNAN	K4SEX	144.53	145.13	*	PA
NEWNAN	K4SEX	146.19	146.79	*	
PERRY	KB4KIN	146.355	146.955	*	A
PRESTON	W4TOV	146.385	146.985	N	
QUITMAN	WA4NKL	146.28	146.88	N	
RINGGOLD	W4ABZ	146.115	146.715	N	
ROME	W4VO	146.34	146.94		EA
ROME	K4HNM	147.90	147.30	N	
ROSSVILLE	KC4EV	144.75	145.35	N	
ROSWELL	NC4E	144.69	145.29	N	
ROSWELL	N4CLA	147.66	147.06		
SANDY SPRINGS	WB4CPL	144.75	145.35	N	
SAVANNAH	K4NLX	144.63	145.23	N	
SAVANNAH	K4NLX	146.10	146.70	N	PA
SAVANNAH	W4HBB	146.28	146.88	*	
SAVANNAH	W4HBB	146.37	146.97	*	A
SNELLVILLE	WD4JXR	147.675	147.075	*	PA
ST SIMONS ISL	KA4CVE	147.69	147.09	*	
STATESBORO	NC4D	147.81	147.21	N	
SUMMERVILLE	KA4LVY	147.825	147.225	N	
SVR CRK/MT ALTO	K4HNM	147.90	147.30	N	
SWAINSBORO	K4VYX	146.19	146.79	N	
SWEAT MT	KD4NC-	146.13	146.73		K
SWEAT MTN	N4CLA	144.87	145.47		
SYCAMORE	KF4BI	147.78	147.18	N	
THOMASTON	K4IMK	147.99	147.39	N	
THOMASVILLE	W4UCJ	147.66	147.06	N	A
TOCCOA	KA4DIP	147.93	147.33	*	PA
TYRONE	WA4EPK	144.61	145.21		PA
UNION CITY	WA4UPE	146.025	146.625	*	
VALDOSTA	W4APS	146.16	146.76	N	
VALDOSTA	K4JFE	147.735	147.135	N	
VALDOSTA/TIFTON	WA4VLP	144.53	145.13	N	
VIDALIA	N4JWP	146.025	146.625		A
WALESKA/PNLGMT	KE4PN	144.67	145.27	*	L
WARNER ROBINS	WB4BDP	146.01	146.61	*	
WARNER ROBINS	W4HON	146.25	146.85	*	A
WARNER ROBINS	W4MST	147.615	147.015	*	
WARNER ROBINS	W4HON	147.90	147.30	*	A
WAYCROSS	WA4GVG	146.04	146.64	N	
WRENS	WB4OCB	145.175	145.775	N	
WRIGHTSVILLE	WA4RVB	146.34	146.94	N	
YNG HRS/RCKY TP	N4EFL	146.355	146.955		

220 MHZ

ATLANTA	KK4C	223.22	224.82	*	PAL
ATLANTA/SWEAT MT	WB4UPC	222.34	223.94	*	L
ATLANTA/SWEAT MT	WB4UPC	222.52	224.12	*	A
ATLANTA/SWEAT MT	WB4UPC	223.06	224.66	*	O
AUGUSTA	NA4I	223.34	224.94	*	P
BUCHANAN/HARALSO	WB4UPC	222.46	224.06	*	L
BUCHANAN/HARALSO	WB4UPC	223.28	224.88	*	O
BUCHANAN/HARALSO	WB4UPC	223.34	224.94	*	
CANTON	WB4UPC	222.74	224.34	*	L
CANTON	KE4PN	222.74	224.34	*	L
DALTON	N4BZJ	223.28	224.88	*	
JACKSONVILLE(FL)	N4KBD	223.34	224.94		
MARIETTA	N4BSW	223.14	224.74	N	
MARIETTA	WA4QPL	223.30	224.90	*	P
ROSSVILLE	KC4EV	223.34	224.94	N	

6 METERS

ATLANTA/SWEAT MT	WB4UPC	53.05	52.05	*	
CONYERS	WB4JEH	52.55	53.55	N	C
MARIETTA	WR4ASD	53.44	52.44	N	
PERRY	KB4KI	52.13	53.13	N	C

MORE GEORGIA REPEATERS

440 MHZ

ALBANY	W4MM	439.25	427.25	*	
ALBANY	W4MM	444.50	449.50	*	
ATLANTA	WD4KEZ	444.45	449.45	N	
ATLANTA	W4DOC	444.825	449.825		
ATLANTA	WB8LVH	448.50	443.50	N	
ATLANTA	W4BOC	449.25	444.25		
ATLANTA	WB4UWL	449.50	444.50	*	
ATLANTA	N4WQ	449.625	444.625	N	A
ATLANTA	WA4NNO	449.925	444.925	*	
ATLANTA	WA4YNZ	449.975	444.975	N	T
ATLANTA/BELL	K4LDR	449.15	444.15	*	
AUGUSTA	WB4OCB	448.145	443.145	N	
BRUNSWICK	K4TVE	449.975	444.975	N	
CHATSWORTH	AA4EO	448.00	443.00	N	
COLUMBUS	WA4QHN	449.20	444.20	N	
CONYERS	WB4JEH	447.55	442.55	N	
DALTON	WA4TIW	449.735	444.735	*	
DECATUR	WB4LBM	449.20	444.20	N	
GRIFFIN	WB4GWA	448.90	443.90	*	PA
JACKSONVILLE(FL)	N4KBD	449.10	444.10		
LAWRENCEVILLE	WB4QDX	449.00	444.00		
LAWRENCEVILLE	WD4KEZ	449.45	444.45	*	L
LAWRENCEVILLE	WD4KEZ	449.45	145.67	*	RB
MACON	WB4OLL	444.90	449.90	N	
MARIETTA	N4CLA	448.20	443.20	N	
RIVERDALE	K4NEF	449.55	444.55		
VALDOSTA	???	449.35	444.35	N	P

10 METERS

ALBANY	W4MM	29.58	29.68	*	L
ATLANTA	KM4Z	29.52	29.62		
JACKSONVILLE(FL)	N4KBD	29.54	29.64		
MARIETTA	KJ4IS	29.56	29.66	N	C

PACKET

ADEL	KF4JF-1	145.01	PKET	N	K
ALBANY	W4MM-1	145.09	PKET	N	K
AMICACOLA MT	WB4GQX-4	145.09	PKET	*	K
AUGUSTA	WD4CNV-1	145.01	PKET	N	K
CLARKSVILLE	W4EAW-1	145.01	PKET	N	K
COHUTTA	W4KAU	145.01	PKET	*	K
COHUTTA	W4KAU	145.09	PKET	*	K
COLUMBUS	K4ABT-1	145.01	PKET	N	K
CUMMING/SAWNEE	WB4GQX-1	145.01	PKET	*	K
FAIRMONT	AA4EO-1	145.09	PKET	N	K
FORSYTH	WB4GQX-2	145.01	PKET	*	K
HAMILTON/PINE MT	WB4ULJ-1	145.01	PKET	N	K
HAMPTON	WA4TXT-1	145.01	PKET	N	K
MACON	K4ICT-2	145.05	PKET	*	K
PERRY	K4ICT-1	145.01	PKET	*	K
ROBERTA	K4ICT-4	145.01	PKET	*	K
ROME	NC4G-1	145.09	PKET	N	K
220 MHZ					
SAWNEE MT/CUMMIN	WB4GQX-1	223.70	PKET	N	K
WARNER ROBINS	WL7ACY-1	145.05	PKET	*	K

Full Member Sign Up For Non-Member Repeaters

We'll list you in the index as a supporting Full Member Repeater, and you will automatically become an "Honor Roll" member for 1987. Just fill out the application on Page 26, submit with your check for $17.50 and mail to the address at the bottom of the application.

Be Sure to List 2 Repeater Representatives - Each To Receive the Repeater Journal. They will represent your repeater and officially be eligible for offices and/or voting in CVRA-SERA.

We NEED Your Support!
Only $17.50 For Full Membership
Now thru December 31, 1987.

ALABAMA REPEATERS

ONLY Full Member Repeaters Listed

2 METERS

ANNISTON	N4FIV	146.10	146.70	*	A
BESSEMER	N4AHN	144.55	145.15	*	L
BESSEMER	N4LJE	144.79	145.39	*	
BIRMINGHAM	N4IQT	144.59	145.19	*	
BIRMINGHAM	WB4TJX	144.63	145.23		
BIRMINGHAM	WD4BXA	147.285	147.885		A
BIRMINGHAM	WA4MHO	147.94	147.34	*	
BREWTON	WA4TYH	146.37	146.97	*	
DOTHAN	WA4QEO	144.83	145.43		
DOTHAN	KE4MZ	146.24	146.84	*	A
DOTHAN	WA4ZPI	147.94	147.34	*	
DOUBLE OAK MT	N4DMA	146.38	146.98	*	
ENTERPRISE	WD4ROJ	147.84	147.24		
FLORENCE	WB4NQH	146.22	146.82		A
FOLEY GULF SHR.	WB4OWS	146.085	146.685		
FORT PAYNE	WA4PJE	147.86	147.26	*	A
GREENVILLE	K4TNS	146.07	146.67		
GUNTERSVILLE	K4CZZ	147.98	147.38	*	
HALEYVILLE	WA4YYL	146.18	146.78		
HEADLAND	WA4WIE	147.80	147.20		PA
HUEYTOWN	WA4JUM	147.74	147.14	*	
HUNTSVILLE	N4UV	147.70	147.10		
HUNTSVILLE	N4AVB	147.90	147.30		
JASPER	WB4ACN	146.30	146.90	*	
LANETT	K4DXZ	147.60	147.00	*	
LINCOLN	KC4OX	144.89	145.49		EA
LINEVILLE	WB4VBA	144.83	145.43		
MONTGOMERY	NR4A	144.51	145.11	*	
MOULTON	N4AKW	146.36	146.96		EA
MT CHEAHA	WB4GNA	147.68	147.08	*	
MUNFORD	W4NTI	146.14	146.74	*	EA
MUSCLE SHOALS	WB4NAH	146.08	146.68		A
OZARK	KA4AFI	144.53	145.13		A
PELL CITY	KB4LPR	144.77	145.37		A
PELL CITY	N4ISB	147.62	147.02	*	PA
PHENIX CITY	WA4QHN	146.12	146.72		
TUSCALOOSA	KX4I	144.75	145.35	*	
TUSCALOOSA	KX4I	147.66	147.06	*	
TUSCALOOSA	WD4DAT	147.90	147.30		
WARRIOR	WB4YOX	146.24	146.84	*	
WATUMNPKA/MONT	WA4PRY	146.32	146.92		A

220 MHZ

BESSEMER	N4AHN	222.54	224.14	*	A
PLEASANT GROVE	KD4EM	223.34	224.94	*	PA

440 MHZ

BIRMINGHAM	K4FUM	444.90	444.30	*	
BIRMINGHAM	KB4KCH	448.75	443.75		C
BIRMINGHAM	N4DJR	449.20	444.20	*	
BIRMINGHAM	WA4MHO	449.55	444.55	*	
CHEAHA MTN	WA4URC	449.00	444.00	*	
CLANTON	NR4A	448.30	443.30	*	
DOTHAN	WA4ZPI	449.05	444.05	*	
HIGH LEVEL	KE4GA	449.975	444.975	*	
HUEYTOWN	N4DJR	448.80	443.80	*	
HUEYTOWN	WA4CYA	449.70	444.70	*	T
MONTGOMERY	NR4A	442.65	447.65	*	
PRATTVILLE	NR4A	442.925	447.925	*	
SYLACAUGA	KC4CM	447.50	442.50		
TUSCALOOSA	KX4I	447.90	442.90	*	

10 METERS

TUSCALOOSA	KX4I	29.56	29.66	*	

6 METERS

BESSEMER	N4AHN	52.15	53.15	*	
FT PAYNE/LKT MT	KB4CVN	52.03	53.03	*	PA
HAYDEN	N4CCQ	52.01	53.01	*	
LINEVILLE	WB4ODA	52.07	53.07		

PACKET

ENTERPRISE	WD4ROJ-1	145.01	PKET		

Catch The Spirit of '86!

Clip the Associate Membership form in the Journal, make copies and pass them around to friends who are not members, or better still, make them fill out the form and pay you, and you send in his application with the others you get.

Get a friend to join CVRA-SERA as an Associate Member.

DO NOT WRITE ABOVE THIS LINE

CVRA-SouthEastern Repeater Association, Inc.

FULL REPEATER MEMBERSHIP APPLICATION FOR YEAR _____

City/Mtn (Max 14 Char)	Callsign	Input Freq.	Output Freq.	
_____	_____	_____	_____	No. 1
_____	_____	_____	_____	No. 2
_____	_____	_____	_____	No. 3
_____	_____	_____	_____	No. 4

Name two Full Member Representatives to CVRA-SERA (Each receives Journal)

Name _____ Call _____ Name _____ Call _____

Address _____ Address _____

City _____ State _____ Zip _____ City _____ State _____ Zip _____

Phone: ( )_____ Phone: ( )_____

ARRL Member ( ) Yes ( ) No ARRL Member ( ) Yes ( ) No

Membership: New_____ Renewal_____ Fee Enclosed ( ) Yes ( ) No Amount:_____

Repeater Sponsor_____ Date_____

Date Rptr. Placed in Service: Experimentally _____ Reg. Svc. _____

Was your freq coord? ( ) Yes ( ) No (If No, please explain) _____

ACTUAL REPEATER LOCATION: (Mtn./City)_____

Repeater Coverage: (Cities & Counties)

BASE: _____

MOBILE: _____

Transmitter _____ Receiver _____ Duplexer _____

Antenna _____ Duplexed: ( ) Yes ( ) No Split Site: ( ) Yes ( ) No

Split Site Linkage type _____ (If Radio, Frequency used) _____

Linked with any other repeaters: ( ) Yes ( ) No Linking Freq. _____

Name (if any) other repeaters linked_____

ANTENNA: Height above MSL _____ Height AAT _____ Power (ERP) _____

REPEATER: Open____ Closed____ AUTOPATCH: Open (A)_____ Private (PA)_____ Emerg. (EA)_____

If closed, Access is: Tone Burst_____ Hz, Touchtone_____ Buttons

Repeater I.D. is: CW_____ Voice_____ Rptr. control via: _____

Other information_____

Repeater Membership Fees:
All Memberships Expire Dec. 31

$15.00 annually - payable Jan. 1
$7.50 after July 1 for 6 mos.

Mail Application & Check To:

SERA REPEATER MEMBERSHIP
POST OFFICE BOX 24292
WINSTON-SALEM, N.C. 27114-4292

Thank you!

Please fill out this application completely and accurately. Other repeater frequency coordination may be based on information supplied. We must have accurate and complete information on all Full Member repeaters.

USE THIS APPLICATION ONLY IF YOU ARE NOT NOW PRESENTLY A FULL MEMBER REPEATER

★ NEW EQUIPMENT ★ USED EQUIPMENT ★ COMPUTERS ★ VEC EXAMS ★ PRIZES ★ PERIPHERAL EQUIPMENT ★ GENUINE JUNK ★

TENTH ANNUAL

RICHMOND FROSTFEST

Winter Amateur Radio and Computer Show

SUNDAY, JANUARY 18, 1987

Virginia State Fairgrounds, Richmond, Virginia

ARRL APPROVED HAMFEST

HUGE INDOOR FACILITY
50,000 SQUARE FEET

Watch November Issue of CVRA JOURNAL
For Complete Details

For Information Contact:
W. A. (Bill) Scruggs
Frostfest Chairman
8430 Abbey Road
Richmond, Va. 23235
(804) 272-8206 After 7 PM

Sponsored by Richmond Amateur Telecommunications Society, Inc.

★ NEW EQUIPMENT ★ USED EQUIPMENT ★ COMPUTERS ★ VEC EXAMS ★ PRIZES ★ PERIPHERAL EQUIPMENT ★ GENUINE JUNK ★

WEST VIRGINIA NOTES

By Ted Wolfe, WD4KHL

Karl Morris, WB8GDY, St. Albans, our new West Virginia state Director for CVRA/Southeastern Repeater Association, reports two new assistants were recently selected by vote of the repeater owners or trustees in the Mountain State.

Those selected were Lyle Gaston, W8FG, Pratt, and Gary Holt, N8BZS, Odd, WV. Selection was not made on a geographic basis, so again Northern West Virginia at this time is not represented. Karl indicates he plans to correct this situation the next time a vote is held, at the end of the terms of those just selected.

Gaston is trustee for the 145.47 Lick Knob repeater which is operated by the Kanawha-Fayette Clay Amateur Radio Association. Gary's call, N8BZS, is on the 145.31 Mann Mtn/Layland repeater. He is also associated with a number of other repeaters either as an operator or technical consultant.

The full names, addresses and telephone numbers of CVRA/SERA state officers are found on the rear cover of each issue of the **Repeater Journal.**

• • • •

By the time this issue arrives in your mail in early August the July 27 Charleston, WV, Hamfest and Computer Show will be history. Anything of note from that event will have to be reported in the November issue since copy deadline for this issue was July 1.

I do know that area packeteers were hoping to organize a packet radio association for West Virginia during the hamfest. Promoters of the idea had put out the word early in hopes of drawing packeteers to the event from Northern West Virginia and areas along the state's borders.

• • • •

Thanks to W.C. Spenn, KD5AK, with Datapoint in San Antonio, Tx, with whom I correspond regularly, I was able to pass long to the leaders of the packet newsletters.

Among them were: Gateway: The ARRL Packet Radio Newsletter, American Radio Relay League, 225 Main St., Newington, CT 06111; TPRS: Texas Packet Radio Society newsletter, PO Box 831566, Richardson, TX 75083; the newsletter of the Western Michigan Packet Radio Association (I couldn't find their address); the newsletter of the New England Packet Radio Association, 45 Chalmsford Road, North Billerica, Ma 01862; PRS Quarterly - Packet Status Register of Tucson Amateur Packet Radio Corporation, PO Box 22888, Tucson, Az 85734; and Packet Radio Magazine, published by FADCA, the Florida Amateur Digital Communications Association, Inc., 812 Childers Loop, Brandon, Fl 33511.

The last mentioned had excerpts from the Utal Packet Radio Association; RMPRA - the Rocky Mountain Packet Radio Association; and MARDA, the Mississippi Amateur Radio Digital Association (for which I found no individual addresses).

The above information is passed along for those of you who are not aware of the extent of the various newsletters specifically covering packet radio in the individual states.

• • • •

Since about the time of the Dayton hamfest the following Kanawha Valley hams have gotten into packet: WD8BCY, Bob Schoolcraft; K8WOG, Danny Danner; WD8SEN, Jerry Sizemore; WD8YEA, Charlie Johnson, and N8GZA, Ken Skeens and his wife Phyllis, N8HIH.

One Valley ham told me "there's a lot of activity now." He said you can now find someone on packet almost any time of the day. If no one is on, you can still leave a message on one of the operating packet electronic mailboxes.

I also have a report that Charles Marlowe now has a digipeater, WB8CNN-1, operating on Flat Top Mountain near Beckley, and that Larry Hash has WB4BBF-1 operating at Bluefield.

I may already have mentioned some of the other state packet groups: SAPS, Southern Amateur Packet Society (Georgia); GRAPES, Georgia Radio Amateur Enthusiast Society; SCARDS, South Carolina Amateur Radio Digital Society; and CIPRUS, Central Illinois Packet Radio Users Society.

• • • •

Since the last issue Basil Napier, WD8KWC, Chapmansville, who operated the 145.23 repeater listed for Logan, has become a silent key. Basil was also active on packet in Logan County. He was 51 when he died in late April. The radio club in Logan has purchased and re-coordinated the repeater.

The TSRAC BNT that I received May 20th from that organization also listed a recent West Virginia Silent key from Northern WV. He was John Schneider, W8YFX, owner and operator of the 144.59/145.19 repeater in Wheeling, which carried his call. John passed away on May 20 while operating his computer at his ham shack.

Karl reports he has seen no paperwork for recoordinating the repeater by any other party in Wheeling.

The call on the 144.69/145.29 repeater on Rich Mountain near Elkins has been changed from AD8T to WD8LND.

A new 223.00 input/224.60 output repeater has been coordinated for Williamson/Buffalo Mountain

• • • •

The 145.33 repeater at Williamson, WV, has remote base capability through its RC 850 controller. It is located on Buffalo Mountain and is operated by the Southern Appalachian Wireless Society. The repeater's call is being changed from N8GEG to KE8FR to reflect the new call of trustee John Blackburn. In a recent QSO with John and Larry Rosen, KA8YYW, I was told about the Mingo County club's application for coordination for a 220-repeater (see above) to be located at the same site, designed to serve the club's two dozen ham members in West Virginia and neighboring Kentucky.

John and Larry indicated they later plan a 10-meter FM repeater. And they said their controller has the capability to permit a further addition in the future of a 6-meter repeater to the system.

• • • •

Coming attractions: Jackson County, WV, hamfest at Ripley on Aug. 9; The Bluefield, WV, hamfest on Aug. 24 (at which the sponsoring East River ARC will be administering license examinations. The ERARC attempts to accommodate walk-ins at its testing sessions); The Roanoke Division ARRL Convention at Virginia Beach, Va., on Aug. 23-24; and another ERARC volunteer examination session at Bluefield on Aug. 8. That club's Christmas party is tentatively scheduled for Dec. 13.

Field Day 1986 was right at deadline but I have nothing further on that event except to report that a lot of sites had thunderstorms during the operating period. But who cares? That only adds spice to the tales hams will be telling of Field Day '86 until the event rolls around again in 1987.

While I'm no longer WV Director of SERA I'm continuing to write for the Journal. So keep me on your club's newsletter mailing list. My address is: PO Box 133, Cabin Creek, WV 25035. The telephone number is (304) 595-3970.

Gaston, Holt Elected Vice-Directors in WV

The Full Member representatives caught with a shortage of leaders in CVRA-SERA in West Virginia held a special election, to elect a vice-Director to complete the remainder of the 1985-1986 term for that State.

Karl Morris, WB8GDY who assumed the post of Director from Ted Wolfe, announced that two vice-directors were elected. Lyle B. Gaston, W8FG from Pratt, and Gary Holt, N8BZS from Odd.

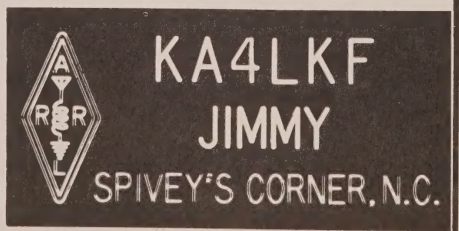
Morris said he and these two vice-directors will complete the term through the end of the year. (Association-wide Director-Vice Director elections are due in November. The new officials are due to take office January 1, 1987.)

Any of the new West Virginia officials are eligible for re-election.

NAME BADGES Actual Size

$6.00 Postpaid
1 Day Service

DYNAMIC ENGRAVERS
RT. 5, BOX 544
DUNN, N.C. 28334



Your Choice of Colors!
● RED/WHITE ● BLACK/WHITE
● BLUE/WHITE ● WOOD GRAIN/WHT.

• SANTEC • KDK • TOKYO HY-POWER • WELZ • KENPRO • SANTEC •

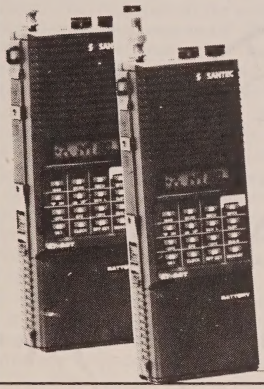
SANTEC

SUPER SANTEC ST-20T MONTH
A Sale So Big — It Fills the entire Month!

Right now, we're offering the Santec ST-20T at our LOWEST price ever!

Why should you purchase a Santec ST-20T over all the others? Some of the other handhelds on the market may have some of the same features as the ST-20T, but NONE of the others has ALL the features...

SANTEC was First to give you the helpful "battery Saver" feature. SANTEC is still the only handheld to offer a 24-hour clock as standard equipment. The SANTEC ST-20T is the only handheld which has **built-in** AUTO-DIALER and phone number memories. With a small mod (another Williams Radio Exclusive) you can make your ST-20T receive the NOAA WEATHER CHANNELS. In these areas, there is no competition with SANTEC. It has more of the features you would EXPECT in a H/T. We don't think you can do better with ANY of the competition.



Our LOW Price is Now LOWER Than Ever!

$10 REBATE!
PLUS
Free Santec
T-Shirt

Priced To Sell!

$289.00

List Price $369.95

NO
CREDIT CARDS
At This Price

Plus these little extras from Williams: • FREE UPS BROWN SHIPPING • Your Battery is Charged • NOAA Weather Mod. Instructions enclosed • Williams Exclusive Customer Discount on Accessories

Before you spend your Hard earned Money on a H/T, compare SANTEC ST-20T with ALL the rest. Then you'll buy SANTEC! Read & Compare for yourself!

SPECIFICATION	SANTEC ST-20T	KENWOOD TR-2600A	ICOM IC-02/AT	YAESU FT-209R	ALINCO ALM-203T
ANALOG "S" METER	YES	YES	NO	YES	YES
24-HOUR CLOCK	YES	NO	NO	NO	NO
MOD.TO RX NOAA WX	YES (FIELD MOD AVAIL)	NO	YES	NO	NO
AUTO-DIALER MEMORIES	YES	NO	NO	NO	NO
OFFSETS MEMORY PROGRAMMING	YES	NO	NO	YES	NO
KEYBOARD LOCK	YES	YES	YES	YES	YES
LIGHTED LCD&"S" METER	YES	YES	YES	YES	YES
DIRECT DC OPER-STD	YES	NO (OPTION PAK)	YES	NO	NO (OPT. CONVERTER)
MEMORY CHAN. CAPACITY	10 CHANNELS	10 CHANNELS	10 CHANNELS	10 CHANNELS	10 CHANNELS
STORES OFFSET	YES	YES	YES	YES	NO
STORES "ODD" OFFSET/CHAN	YES (ANY 10 CHANNELS)	NO (1 CHANNEL #10)	YES (4 MEM. ONLY)	NO	NO
REVERSE FREQ. SWITCH	NO	YES	NO	NO	NO
PROGRAMMABLE SUBTONE	YES	NO (USES DES)	YES (CH 1-4 SAME TONE)	NO (OPTIONAL)	NO (2 TONES ONLY
SUBTONE DECODE	(OPTION AVAIL)	NO	NO	OPTIONAL	MANUAL SWITCHING)
COMPUTER CURRENT SAVER	YES	NO	NO`	YES (VARIABLE TIME)	NO
SQUELCHED RX CURR. DRAIN	9mA (SQ RX 40mA)	35mA (APPROX)	35mA (APPROX)	11mA APPROX-15mA W/FNB-4	YES (MANUAL OPERATION) @35mA
MAX. POWER OUTPUT	5W (WBPS BATT/DIR DC)	2.5W HI	5W(W/BP5 OR DIR DC)	5W (W/12V OPT. FNB-4)	5W W/DC CONVERTER
OTHER POWER LEVELS	3.5W/.5W W/STD BATT	300mW LO	3W/.5W W/STD BATT	3.7 FNB-3/.5 LO FNB-4	3W/.1W W STD BATT
STANDARD BATTERY	9.6V @ 250mA (3.5W)	8.4V @ 450mA	8.4V @ 250mA	10.6V @ 500mA (FNB-3)	9.6V
OPTIONAL BATTERIES	10.5V @ 450mA (5W) 13.2V @ 450mA (5W)	DRY CELL CASE	7.2V/8.4V/10.8V/13.2V (250mA - 600mA RATED)	FNB-4 12V 500mA FNB-5 6X AA DRY CELLS	NO
FREQUENCY RANGE (STD)	142-150.995MHz TX&RX	140-149MHz TX&RX 149-160MHz RX ONLY	140-148MHz TX 140-149.995MHz RX	140-150 TX&RX	140-150 TX&RX 150-160 RX ONLY
SCAN CAPABILITY	MEMORIES/BAND-4 MODES LOCKOUT	MEMORIES/BAND OPEN OR BUSY	MEMORIES/BAND	MEMORIES/BAND BUSY.CLEAR.MANUAL	MANUAL SW BAND CHANGE MEMORIES/BAND ONE MODE ONLY
SCAN STEP RANGE	5-100KHz IN 5KHz STEPS	5-30KHz IN 5KHz STEPS	5-25KHz IN 5KHz STEPS	5 OR 10KHz	5-25KHz
BAND SCAN UP/LOW LIMIT	YES (DIAL-M)	YES M8-M9	YES-M8&M9	YES	YES-MUST PROGRAM BOTH EACH TIME

We Don't Knock the Competition -- We Dare To Compare!

The Nation's Premier KDK & Santec Dealer!

WILLIAMS RADIO SALES

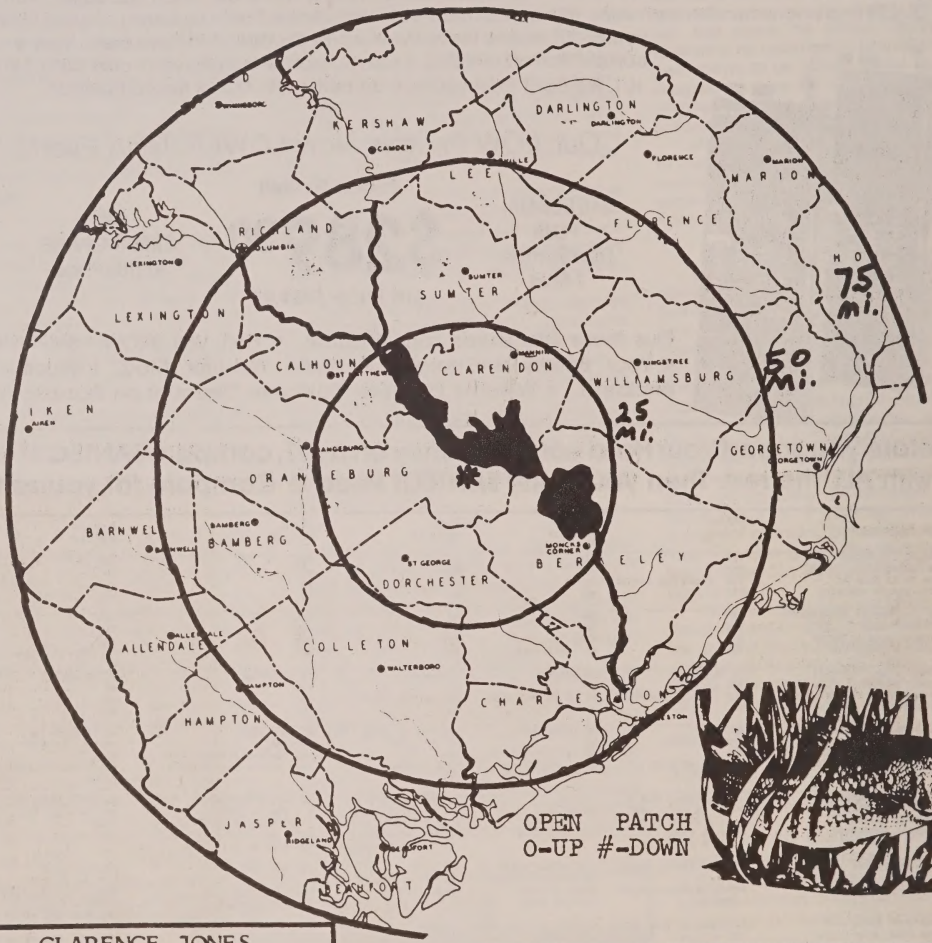
600 LAKEDALE ROAD, DEPT. R
COLFAX, N.C. 27235

For Orders ONLY - Call Toll Free
1-800-523-0347
NC Call (919) 993-5881
We'll Deduct $1.50 from your Order
NOON to 10:00 PM EST

• SANTEC • KDK • TOKYO HY-POWER • WELZ • KENPRO • SANTEC •

ENJOY SAFE FISHING AND BOATING ON
LAKE MARION AND LAKE MOULTRIE

WE WELCOME YOU TO THE "CRAPPIE" REPEATER
W4DTW - 147.825 IN / 225 OUT



OPEN PATCH
0-UP #-DOWN

CLARENCE JONES
W4DTW
LAKE MARION REPEATER
RT 2, BOX 537
EUTAWVILLE, S.C. 29048
(803)492-7613

REPEATER SITE
CAT HEAD LANDING - EUTAW CREEK
LAT 33-25-15 LONG 80-19-40
HEIGHT AGL 110 FT.
OVERALL HEIGHT AMSL 188 FT.

REPEATER MEMBERSHIP

CVRA-SouthEastern Repeater Association, Inc.

Dismal Peak Repeater Has Changed Frequency

— by Don Williams, WA4K

The East River Amateur Radio Club has announced that the Narrows Virginia/Dismal Peak repeater has changed frequency. The new frequency is 147.735/147.135, and was formerly occupied by WA4DFH repeater near Fries, Virginia.

The ERARC made the change because some amateur operators located near the Blue Ridge Parkway were accessing both the Dismal Peak and Hillsborough (NC) repeaters at the same time when Dismal Peak was on 147.225. The separation between the two repeaters was 129 miles, but both have good locations and unforeseen interference developed occasionally for the users of the Hillsborough machine.

The Dismal Peak site became available when WVVA TV in Bluefield ceased operation of their microwave relay system between Roanoke, Virginia and Bluefield. The system had been used since 1955 to relay NBC programming from its termination in Roanoke.

The repeater has coverage well into North Carolina and West Virginia, and over a large portion of western Virginia. Local coverage includes the Roanoke Valley, the New River Valley from Hinton, West Virginia to Galax, Virginia, and Southern West Virginia south of Beckley.

The location is approximately 8 miles SW of Pearisburg, Virginia, and 13 miles NNW of Dublin. Antenna elevation is 4143 feet above mean sea level with a height above average terrain of approximately 1500 feet.

The machine is a General Electric Master Pro owned by Tom Mallory, N4AZJ. Mallory built the controller and maintains the machine and the club provides the duplexer, hardline and antenna. Several members of the New River Valley Amateur Radio Club have pledged financial support, and the East River Amateur Radio Club solicits help from any amateur in the primary coverage area of the repeater to help with finances.

LPM Meeting Held Termed - Excellent

(Condensed from release by John Kannode)

The Roanoke Division League Planning Meeting was sponsored by the Blue Ridge ARS and held in Greenville, SC on May 10 and 11th. The meeting was well attended.

Opening remarks were made by John Chism, ND4N, moderator. Gay Milius, W4UG, Director, and John Kanode, N4MM, Vice Director of the Roanoke Division made opening comments. Paul Rinaldo, W4RI, Editor of QST was guest from league HQ.

Talks on Packet radio, seminars on Traffic handling and reports from Section Managers and Committees.

Five resolutions were made this year for the Director to take back to present to the ARRL Board of Directors. They were:

- The ARRL does not get into the business of issuing Amateur Radio Callsigns.
- The small pamphlet "Operating an Amateur Radio Station" be reinstated.
- LPMs in the future be held on the weekend which follows Mother's day.
- League publications that need constant revision such as the VE manual, the FCC rule book, the license manuals and the field services directory be issued in loose leaf notebook format.
- To increase the proposed power limit in FCC NPRM 86-161 on 220 to 225 mhz to 50 watts PEP due to the fact that most gear for this band now being made is in the 25 to 50 watt range.

Annual LPM meetings ar held in ARRL Divisions to allow amateurs to voice their opinions about things that effect amateur radio, and to meet their league leaders.

F & M ELECTRONICS, GREENSBORO, N.C.

Authorized ICOM Dealer

The Standard of Excellence in HF Base Stations

ICOM 751

NOW! 995.00

Plus UPS Shipping.

The IC-751 is the most advanced transceiver available today. It's a competition grade ham receiver, a 100KHz to 30MHz continuous tuning general coverage receiver AND a full-featured all mode solid-state ham band transmitter. The IC-751 also covers the new WARC bands, MARS frequencies, and is AMTOR compatible.

Important Standard Features. Compare these important standard features in this "top of the line" base station:

- 100KHz - 30MHz Receiver
- 105dB dynamic range
- QSK — full break-in CW
- FM Mode Standard
- High-grade FL-44A 455KHz SSB filter
- 32 tunable Memories with lithium battery backup
- 100% Duty Cycle Transmitter
- Passband Tuning
- 12V DC operation
- Adjustable AGC
- Adjustable Noise Blanker
- RIT/XIT with separate readout
- IC-HM12 Microphone with Up/Down Scan
- Continuously adjustable transmit power

Options. IC-EX310 speech synthesizer, internal IC-PS35 power supply, external IC-PS15 or IC-PS30 system supply, IC-SM8 two-cable desk mic.

Call us for ALL your ICOM Needs!

While Supply Lasts!

ICOM IC-28H

ON THE ROAD FOR LESS

- **Compact Size**
- **Simple to Operate**
- **Large LCD Readout**
- **25 or 45 Watts**
- **Packet Compatible**
- **21 Memory Channels**

The IC-28H has all the features you need for carefree 2-meter mobile operation. The only thing it doesn't have is a big price.

45 Watts. The IC-28H provides a full 45 watts of powerful output. The **IC-28A** 25-watt version is also available. Both units have a selectable low power.

Large LCD readout. A wide-view LCD readout can be easily read even in bright sunlight. An automatic dimmer circuit reduces the brightness for evening operation.

Wideband Coverage. The IC-28H performs from 138–174MHz (specifications guaranteed from 144.00–148MHz). Ideal for MARS and CAP operation.

Compact Size. The IC-28H measures only 2 inches high by 5½ inches wide by 7¼ inches deep (IC-28A is 5¼ inches deep). Great for mobile installations where space is limited.

We now carry a complete Supply of ICOM Radios and Accessories. Call for Information and Prices-Availability

The IC-27H 45 watt and IC-27A 25 watt ultra compact 2-meter mobiles continue to be available.

21 Memory Channels. To store your favorite frequencies, 21 memory channels are provided. All memories are backed up with a lithium battery.

Scanning. Scan the entire band or the memory channels from the provided HM-12 mic.

Easy to Operate. With only 12 front panel controls, the IC-28H is simple to operate.

Available Options. IC-HM14 DTMF mic, PS-45 13.8V 8A power supply, UT-29 tone squelch unit, SP-10 external speaker, HM-16 speaker mic and HS-15/HS-15SB flexible mic and PTT switchbox.

ICOM

F&M ELECTRONICS
Frank N4AZM & Mae Wyatt

● Parts ● Accessories ● Microphones ● Batteries ● Books ● Antennas

3520 ROCKINGHAM ROAD NORTH
GREENSBORO, N.C. 27407
(919) 299-3437
9:00 a.m. to 7:00 p.m. Daily Closed Mondays

REPEATER JOURNAL ADVERTISING RATES

Effective 1 January 1986

The Repeater Journal is a 3 column magazine with overall page dimension of 8½ x 11 inches. Our page size enables a wide variety of ad sizes from full page down to one column inch size.

Column Widths are 1 col: 2-1/4-in., 1-1/2 col: 3-1/2-in., 2 col: 4-5/8-in., 3 col: 7-1/8-in. Ad widths will be based only with the specified column widths.

DEADLINES: New advertising copy or ad changes must be in the hands of our Advertising Manager no later than the 20th of the month on the 2nd month prior to publication. We cannot guarantee insertion of ads after deadline, although every effort will be made to accomodate.

ADVERTISING DEADLINES

FEB. Issue–Dec. 20 MAY Issue–Mar. 20
AUG. Issue–June 20 NOV Issue–Sep. 20

CVRA REPEATER JOURNAL advertising rates apply to exact size, camera ready copy. We can provide typesetting and reduce art for your ad at our cost. Composition and typesetting for full page ad approximately $25 to $28. Half page ad from $12 to $15. Reduction of artwork for ad with no type needed is $4.50. COLOR: We can provide one additional color on our standard color pages for $25.00.

The Repeater Journal layout size is very close to most National magazines. If you wish to use a page from one of the magazines, to promote your product, we can reshoot on the camera, insert your store name and customize for your particular application. Be sure to submit a clean, unwrinkled copy of the magazine page.

Contract advertising may be billed quarterly at the request of Advertiser. No volume discounts or contract discounts are available. It is the advertisers responsibility to cancel or request changes in advertising at the time he pays his bill, or before ad deadline, otherwise, advertising will be repeated until further notice.

BUSINESS CARDS, CLASSIFIED ADS AND HAMFEST advertising must be sent accompanied by full payment for insertion. Advertisers who have not paid for previously published advertising before upcoming issue deadline, cannot have any advertising inserted until account is paid in full.

The CVRA REPEATER JOURNAL cannot be responsible for errors in advertising, or held accountable for equipment or accessories that do not live up to the advertised claim. We are not responsible and cannot guarantee insertion of advertising received after deadline.

Advertising copy MUST be mailed to: REPEATER JOURNAL ADV. MANAGER, SHARON WARD, 5573 Vienna-Dozier Rd., Pfafftown, N.C. 27040.

REPEATER JOURNAL ADVERTISING SIZES AND RATES

Ins. Frt. or Ins. Bk. Cover	7-1/8" x 9-7/8"	$100.00
Full Page	7-1/8" x 9-7/8"	85.00
Full Page Bleed (any sides)	8-1/2" x 11"	100.00
2/3 Page (Vertical)	4-5/8" x 9-7/8"	65.00
1/2 Page (Horizontal)	7-1/8" x 4-3/4"	48.00
1/2 Page (Vertical)	3-1/2" x 9-7/8"	48.00
1/2 Page (Vertical 2-col)	4-5/8" x 7-1/8"	48.00
1/3 Page (Vertical Only)	2-1/4" x 9-7/8"	35.00
1/4 Page (Vertical Only)	3-1/2" x 4-3/4"	28.00
1/6 Page (Vertical)	2-1/4" x 4-3/4"	18.00
1/6 Page (Horizontal)	4-3/4" x 2-1/4"	18.00
1/12 Page (Vertical Only)	2-1/4" x 2-1/4"	10.00
Business Cards - Standard Size	(4 Issue Contract Only)	16.00

In Advance

Classified Ads (30 Words Maximum per ad) In Advance 3.00
Color (1 additional color plus black) An Size Ad 25.00

Sizes listed above are width by length in that order. Ads which run lengths between sizes listed above will be billed according to column inch rate at midpoint. Prices above are for exact size, camera ready positive photoprint, or pasteup. Camera work, typesetting additional. No charge for layout.

Reach out to almost 4,000 Faithful SERA Repeater Journal Readers Your Advertising in the Journal Is the Best Vehicle in the Southeast To the UHF/VHF Amateur Operator

I HAVE "THE SPIRIT OF '86" - SIGN ME UP FOR CVRA-SERA
CVRA-SERA ASSOCIATE MEMBERSHIP APPLICATION

Name _____ Call _____
Address _____ Date _____
City _____ Zip _____
Phone (___) _____ Member ARRL ( ) Yes ( ) No
Enclosed is $ _____ for _____ Year(s) Mail Appl. & Fee To:

CVRA-SERA Assoc. Membership
Post Office Box 24292
Winston-Salem, N.C. 27114-4292

NEW _____ RENEW _____ HOT-P _____
$6.00 Year (Max 2 years) ($10.50 Max. 1 Year)

RJ-8/86

Catch The Spirit of '86!

Help Us to Help You!
Our Goal is 1,000
New Members
Join The
"Spirit of '86!"
Lets Increase CVRA-SERA
Membership Rolls. Each
New Member gets the
REPEATER JOURNAL Quarterly

Associate Membership - $6.00 for one Year
HOT-P Membership - $10.50 (Your Journal Mailed 1st Class)

Full Membership

CVRA-SERA Full Membership for the 7 Districts surpassed the 50% mark in July, as applications passed the 400 mark for the first time in history.

Presently we have a total of 403 Full Membership applications on file, representing 577 repeaters. The total repeaters and memberships also represent Full Member repeaters outside our Districts. . . in Florida and Alabama. The percentage mark is based only on the 7 District States. We presently have 933 repeaters on all bands in the seven Districts.

East Kentucky leads with a 73% membership, followed by North Carolina with 62%, and Georgia with 62%. Three Districts have yet to achieve the 50% representation we had hoped for. They are South Carolina with 47%, West Virginia with 47% and Tennessee with 31%.

Please see the chart below for breakdowns of memberships for 1986, and final totals dating back to 1983.

Repeaters listed in the Journal as Non-Members have an "N" beside their listing. Owners wishing to join our organization for the remainder of the year and be listed in the November Journal as Full Members should fill out a Full Membership application from the November 1985 Journal and submit it with $2.50 for the remainder of the year. The membership will expire with all others on December 31.

We will print another Full Membership form in the November Journal, but it will be too late to be listed as a 1986 member. It will be for 1987 memberships.

Japanese Ham Satellite

If everything went as planned, the JAS-1 was launched from Tanegashima Island on July 31st. The new Japanese Amateur Satellite has two parts. One similar to OSCAR-8 Mode J transponder. The other is a digital "store and forward" transponder.

The Mode J Voice transponder has an uplink of: 145.90-146.00 Mhz in LSB, and downlink of 435.80-435.90 Mhz. USB. The beacon is on 435.795 Mhz.

The Mode JD-Digital has four uplink FM channels and one downlink. A simple packet station, a 2-meter FM transmitter and a 70 cm receiver is all that is needed. Uplink 1 is 145.85 Mhz, (2) 145.78 Mhz, (3) 145.89 Mhz and (4) 145.91 Mhz. The downlink channel is 435.91 Mhz.

If all goes well, the satellite should be operating by the time you read this. (Excerpted from W5YI Report)

CVRA-SERA FULL MEMBERSHIP FROM 1983 TO DATE. CORR 7-13-86 THRU APPL.#403

STATE	REPEATER FINAL 1983	FINAL 1984	FINAL 1985	CURR. 1986	'86% TTL	ALL RPTR	CURR APPL
N.C.	100	83	149	142	62%	230	92
S.C.	24	35	56	41	47%	87	32
VA.*	58	60	92	87	51%	170	58
W.VA.	28	21	41	37	47%	88	26
TENN.	47	58	85	63	31%	202	40
GA.**	9	18	109	117	62%	190	84
E.KY***	1	4	18	19	73%	26	18
ALA.****	1	1	4	67	--	--	52
FLA.****	--	--	--	4	--	--	1
TOTALS	268	280	554	577	51%	993	403

* TTL.VA.RPTRS.ALSO INCLUDE N.VA. - T-MARC TERRITORY)
**GA.ASSUMED DISTRICT STATUS IN 3rd QTR.OF 1985.
***K.KY.ASSUMED DISTRICT STATUS IN MID 1985.
****ALA.& FLA. NOT SERA DISTRICTS.
1986 % OF SERA FULL MBR DOES NOT INCL. ALA.& FLA.ONLY DISTRICTS

• SANTEC • KDK • TOKYO HY-POWER • WELZ • KENPRO • SANTEC •

KDK The New FM-240 for 2-Meters

List Price $369.95

FM-240 (NT)

Priced To Sell!

$289.00

NO CREDIT CARDS At This Price

FM-240 (With Sub-Audible Tones) $329
Voice Synth. Option $39
FM-740 (440-Mhz Version) $349

See ENCOMM Ads in National Magazines for Details

Compact-Simple to Operate-Yet packed with features!

The Nation's Premier KDK & Santec Dealer!

WILLIAMS RADIO SALES

600 LAKEDALE ROAD, DEPT. R
COLFAX, N.C. 27235

For Orders ONLY - Call Toll Free
1-800-523-0347
NC Call (919) 993-5881
We'll Deduct $1.50 from your Order
NOON to 10:00 PM EST

• SANTEC • KDK • TOKYO HY-POWER • WELZ • KENPRO • SANTEC •

BRIGHTEN YOUR DAY

BY ATTENDING

The 6th Annual Greater Greensboro N.C. Hamfest

DATE: *November 22 & 23, 1986*
HOURS: *9:00 A.M. — 5:00 P.M.*
LOCATION: *National Guard Armory-Franklin Blvd.*
PRIZES: *To Be Announced*
TICKETS: *$4.00 Advance — $5.00 At Gate*
FLEA MARKET-Outside: *Price Of Ticket*
Inside: *Price Of Ticket + $9.00 (per 6' table) rental*

— Dealers & Flea Market —

For General Information Or Advance Tickets

WRITE OR CALL: *FREDMON (N4GGD)*
3109 Goodall Drive
Greensboro, N.C. 27407
Phone- (919)-852-9244
Call Between 9:00 P.M. - 11:00 P.M.

MARK FOUR RADIO CLUB
ARRL VEC

Walk-In F.C.C. Exams Will Be Given By
AE4N/Mark 4 VEC — (919)-292-6565

AUTHORIZED KENWOOD ICOM RADIO DEALER

H. L. HEASTER, INC. 203 Buckhannon Pike, Clarksburg, W. Va. 26301
Clarksburg Phone (304) 624-5485 or W. Va. Toll-Free 1-800-352-3177

HAROLD HEASTER, KA8OHX, 91 Ridgefield Place, Ormond Beach, Fl. 32074
Florida Phone (904) 673-4066

NEW NATION-WIDE TOLL-FREE TELEPHONE 1-800-84-RADIO
1-800-84-72346

Call us for a quotation, WE WILL SAVE YOU MONEY!!!!!!!

VEC EXAMINATIONS

VIRGINIA

RICHMOND

ARRL/VEC Amateur Exams at the J. Sargeant Reynolds Community Collge, 1651 East Parham Road. Contact Ron Bolton, WU4G, Rt. 4, Box 455, Glen Allen, Va. 23060. (804) 798-5191. Limited Walkins. Please register if at all possible.

Schedule

Sept. 27 **Nov. 22**

SOUTHEASTERN VIRGINIA

August 24, ARRL Roanoke Division Convention - Virginia Beach, VA. Contact: David House N4LOW 4 Aylwin Crescent, Portsmouth, VA 23702.

September 6, Williamsburg Area Amateur Radio Club - Contact: Andrew G. Swanson WJ4X, 259 Nottingham Rd., Williamsburg, VA 23185.

November 1, South Peninsula Amateur Radio Klub - Contact: Al Evans N4IIC, P.O. Box 4128, Hampton, VA 23664.

December 6, Portsmouth Amateur Radio Club - Contact: George Parsons WB4BAB, 4800 Manor Ave., Portsmouth, VA 23703.

To apply, send form 610 and copy of current license with $4.25 check, payable to ARRL/VEC to contact person. Enclose SASE for confirmation. Cut-off date for applications is 30 days prior to test.

TENNESSEE EXAMS

R.A.C.K VE TEAM

For prior registration send: Copy of license, form 610 completed, check for $4.00 payable to WCARS/VEC, SASE. Sent pre-registration to: Ray Adams, N4BAQ, 4325 Felty Drive, Knoxville, Tn. 37918. All tests begin at 10 a.m. at the Tennessee Inst. of Electronics, 3203 Tazwell Pike in Knoxville, Tn. Cutoff dates for exams is day before exams.

KNOXVILLE SCHEDULE

August 16 November 15
December 20

CHATTANOOGA VE EXAMS

Exams in Chattanooga will be given at the Chattanooga Board of Realtor's Building on Amnicola Highway. Contact Bill, N4BMR (ARRL/VEC).
Sept. 6-7 Chattanooga Hamfest
Dec. 7 - Board of Realtors Bldg.

OTHER TENNESSEE EXAMS

August - Jasper, Tn.-Contact KD4XX
November - Jasper-Contact KD4XX

NORTH CAROLINA

KERNERSVILLE

Walk-in VE exams for all levels are held each 1st Saturday at the Public Library on East Mountain St. in Kernersville. (Take Rt. 66 exit off I-40, go North to Mountain St. and turn left.)

Sign up time starts at 9:00 a.m. local time and exams start promptly at 9:30 a.m. No advance registration is required. Bring completed 610 form, copy of license and original license, and appropriate I.D.

No one permitted to enter room while exams are being run, so come early. Park in large lot behind Library, nera police station and enter the basement door at rear of Library.

KERNERSVILLE SCHEDULE
First Saturday of the month - 9:30 a.m.

AE4N/MARK 4 VEC Gbo/Jamestown

FCC exams to be conducted twice a month in 1986, at the GTCC, Davis Hall in Jamestown, N.C. Walk-in--Cost $3.00. Bring original and a copy of license, and some positive I.D. All classes of license exams are given and all testing materials are furnished. Any questions may be directed to Hugh Brunson (919) 852-1087 1900-2000 EST daily.

Davis Hall at GTCC is 6 miles south of Greensboro, N.C. Take Exit 118 off I-85 and follow GTCC signs. Talk-in also available on 146.61 and 145.25 if needed.

JAMESTOWN SCHEDULE
August 16 - 9:00 a.m.
Sept. 20 - 9:00 a.m.
Oct. 18 - 9:00 a.m.
Nov. 22 - 9:00 a.m.
(At Gbro Hamfest Site)

GOLDSBORO

Herman Perkins, W4TUG announces VE examinations to be held in Goldsboro, N.C. at the Wayne Community College. Pre-registration is required by November 8th. If needed, write Wayne Co. AR Assoc., P.O. Box 1578, Goldsboro, N.C. 27530. Include S.A.S.E. if 610 form needed. Enclose $4.25 fee.

GOLDSBORO SCHEDULE
November 15 - 10 a.m. (Pre Reg 11/8)

Does Your Repeater Show "N"

If an "N" is beside your repeater listing, it is because you are not a Full Member of CVRA-SERA. You can join for the remainder of 1986. Write our Full Member Chairman. Address is on page 2. Let's wipe out all those "N"s!!

ALABAMA

VE examinations will be held both days at the 9th Annual Montgomery Hamfest and South Net annual convention. Code testing begins at 8:00 a.m. with all parts of written exams beginning at 9:00 a.m. to 4:00 p.m. (Central time)

Bring a copy of your current license and $2.00. Talk-in for hamfest is on 146.24/84, call W4AP. The site is at the Civic Center in downtown Montgomery.

MONTGOMERY SCHEDULE
October 24 & 25

GEORGIA

AUGUSTA

ARRL/VEC examinations will be held in Augusta. For information contact: C.L. "Ace" Norton, NA4I, 2704 Lumpkin Rd., Augusta, Ga. 30906. Phone (404) 798-5050.

AUGUSTA SCHEDULE
September 21 & November 6

Bluefield VE Team

The Bluefield Volunteer Examiner Team announce its scheduled examinations over the next twelve months.

All exams are held at Bluefield State College on US 52 in Bluefield, West Virginia, at the Basic Science Building. This building is the first building on the right as you enter the main campus.

Examinations are WALKIN, and are offered for all classes, novice through extra. Code tests are conducted using headphones with individual volume adjustments. This method assists the examinee by helping to block out extraneous noise and allowing for individual adjustment of volume. "Perhaps the biggest benefit of the headphones is the elimination of echoes from a classroom-type environment," said Don Williams, WA4K, VE team leader.

Examinees should bring a check or money order for $4.00 payable to "ERARC/VE", a properly filled-in FCC form 610 (June 1984 or later), two items of identification (one with photograph), and a PHOTOCOPY of FCC license. If you are still operating on temporary authority since your last examination, you **must** bring a copy of your license AND your temporary authority.

The examinations will all begin at 9 am for ALL classes, and will be held on the following dates, which are the second Saturday of the month in which this magazine is published except for August, when exams will be held on the Sunday of the Bluefield Hamfest:

Sunday,	**August 24,**	**1986**
Saturday,	**November 8,**	**1986**
Saturday,	**February 14,**	**1987**
Saturday,	**May 9,**	**1987**

NEW RIVER VALLEY AMATEUR HAM FEST AND ELECTRONIC FLEA MARKET

Also Ladies Flea Market

Last Hamfest in Southern Virginia Before Christmas

SATURDAY, OCTOBER 25, 1986
9 a.m. til 3 p.m.

NEW RIVER COMMUNITY COLLEGE
U.S. Route 100, Dublin, Va.

1st Prize - 2 METER HANDHELD
Other Prizes Given Every Hour.

TICKETS $2.00 at Door or From Club Member
Flea Market Tables only $3.00

DEALERS WELCOME - FREE ELECTRICITY

FOOD AVAILABLE ON THE PREMISES

TALK-IN ON 147.18 + 600

Ham Radio Pilots - Fly In at New River Valley Airport

No N.R.V. club member eligible for prizes.

For more information, tables, or directions contact:

WA4LNT - New River Community College (703) 674-4121 Bob Cecil
N4KE[illegible] 1, Box 232, Pulaski 980-5746 Clyde Albert
KI4Z[illegible] on Dr., Christiansburg 382-8371 Rick Frisby

Sponsored by the New River Amateur Radio Club Inc.

Amateur Repeater Sites Hard To Come By

— by Jim Fitzgerald, K4OJE

Over the years, the numerous repeaters serving the Richmond, (Va) metropolitan area have efficiently served the amateur community with only an occasional few hours of down time, to replace tubes or make tests and adjustments. Everyone just accepts that they are always there.

Last winter the picture changed. The "Repeater Flu" struck with a vengeance! First the 147.03 repeater, then the 34-94, the 04-64 and finally the 145.11 repeater were all off the air for extended periods at the same time.

After a couple of weeks off the air, most were returned to service with new equipment, parts or antennas.

All of the above, while written humorously, shows how we expect our amateur repeaters to be in full service all of the time just as public utilities are. Amateur radio and amateur radio operators are one of our nation's greatest resources. Equipment owned and maintained at no cost to government, is an emergency and community service operation.

Dedicated and trained amateur operators give their expertise and time to emergency and public service requirements. The cost of constantly updating equipment and personnel requirements could not be met by municipalities. Public service events, parades, walkathons, floods, hurricanes, earthquakes, muclear power plant drills, and other emergencies (large or small) find the amateurs proudly there!

Amateur site problems, for repeaters, particularly in flat land and large metropolitan areas are increasing. In cities, such as Richmond, water tanks, towers, buildings and other structures sprout antennae like porcupine quills. Sites if available, are generally at high commercial cost.

If you have a site, private, business or governmental which you would provide for amateur uses please make it known. It will be a real service to your community and the nation.

New CVRA-SERA Address

David Ward, KA4LVO, Associate Membership chairman is the person who takes care of the official CVRA-SERA mailbox. For the past two years, David and his wife Sharon have had to journey from their home in Pfafftown to Greensboro, over 35 miles one-way to get the mail.

David has now obtained a new post office box in Winston-Slaem, where he works. Effective immediately, all Membership information should be mailed to the new address. (This includes all Full and Associate).

The address is: CVRA-SERA, P.O. BOX 24292, WINSTON-SALEM, N.C. 27114-4292.

David said we will still continue to mail the Journals from Greensboro, where they will continue to be carried from the printer and labels affixed.

REPEATER-CLUB-NET SERVICE PAGE

The Amateur News and Information
NET
Mondays. . . . . 9:00 p.m.
34-94 REPEATER
RICHMOND, VA
K4OJE N4EXQ N4EPO
Club, ARRL, ARES, DX, FCC Information

Welcome to
W4LPL/*REPEATER*
"The Red Carpet Repeater"
Fayetteville, North Carolina
147.93/33
Proudly Serving our Community and the best darn Hams in the world

444.650 **444.850**
RICHMOND **PETERSBURG**
147.39 REPEATER
PETERSBURG, VA
The K4ARO Repeaters
Covering Central and Southside Va.
RICHMOND **PETERSBURG**
K4ARO, K4OJE, N4EHJ **K4ARO**

DIAL **BR549**
(BLUEFIELD REPEATER 145.49)
Bluefield Hamfest
AUGUST 24, 1986

Serving Eastern North Carolina
From the Capital
To The Coast
147.09 145.35
Repeaters
Greenville, N.C.

DURHAM FM ASSOCIATION
WA4WTX REPEATERS
Hillsborough: 147.825-147.225, 222.34-223.94
Durham: 449.10-444.10, 144.85-145.45
CLUB MEETING: 2nd Tues. 6 PM
Dial *911 on 147.225 or 444.10 Repeater
for EMERGENCY SERVICES

Virginia Amateur Radio Association, Inc.
Co-Sponsors 04-64 repeater
2nd Annual "TECHFEST"
October 12-86 Richmond, Va.
Ralph Fetty, N4EHJ Pres.
Rt 4, Box 434, Glen Allen, Va.
(804) 798-7201

ATOP MT. TOXAWAY, N.C. 4777' ASL
(Grid Square EM-85)
K4MSK/RPT
223.12-224.72
Serving Southwest NC, Western SC, Eastern Tn, North Ga. and the interests of VHF/UHF Weak Signal DXers. No Frills, No Thrills - Just good, solid communications and info. Come use it without obligation.
4-LANDERS VHF/UHF GROUP Sponsor

Southern Peninsula Amateur Radio Klub
K4DHO
Repeater
146.13/73
Hampton, VA
SPARK NET: Wednesdays 8:00PM

R.A.T.S.
The Richmond Amateur Telecommunications Society, Inc.
P.O. Box 1070 Richmond, VA 23208-1070
Proud Sponsors of the
28-88 REPEATER
With Open Emergency Speed-Dial For:
POLICE - FIRE - EMERGENCY
Douglas Mayo, WA4SFL - President

CLUBS, REPEATER OWNERS, NET MANAGERS
PROMOTE YOUR ACTIVITIES ON THIS PAGE. — 4 Issues $16.00 A YEAR - PREPAID
WRITE OUR SALES MANAGER
(1-Year-$16.00 Minimum Contract)

147.135 **444.000**
RICHMOND, VA
The N4HB Repeaters
Covering Central Virginia
N4HB — WA4VXR — WB4BVY — WA4SSG

Eleven Hams Representing 581 Years of Operation

— by Dick Anderson, W4OLD
Tnx W4CA Log, Roanoke, Va ARC

At this past Roanoke Hamfest, I had the distinct pleasure to meet with many "old timers" as we called out names and asked them to come to the stage. Each was introduced and presented with a certificate.

I congratulated each one present for their long and faithful service to Amateur Radio. The following were recipients of the Certificates.

Al Parham, W4MR. . . on the air 1929 - 57 years
Robert V. Kinney, W4BB. . . on the air 1932 - 54 years
T. Allen Phillips, W3DOG. . . on the air 1933 - 53 years
Joe M. Francis, W4CYK. . . on the air 1933 - 53 years
J.T. Aldhizer, Jr. W4JFV. . . on the air 1933 - 53 years (died 1/18/86)
Tom Boone, W4COC. . . on the air 1933 - 53 years
Herbert Linquist, W4LSP. . . on the air 1933 - 53 years
Frank Hannel, W4EZE. . . on the air 1934 - 52 years
Joe F. Moomaw, W4XD. . . on the air 1935 - 51 years
Jim Bray, W4KCJ. . . on the air 1935 - 51 years
Ralph Charbeneau, W4AXK. . on the air 1935 - 51 yrs.

Total Amateur years 581.

I wish to thank George Winners, KB4QWO for designing and printing the Certificates, Dave Jones, N4JED for writing in the names, calls and dating each certificate and Alivis Perdue for providing the Roanoke Valley Club some valuable documents.

(Editor's Note: I had the pleasure of being at the hamfest and seeing this very nice ceremony and group of impressive Amateur Operators. I wonder how many more 50 year plus Amateurs are among our readers. If you are licensed over 50 years, or you know of someone of that distinct status, send me their name, call and year licensed, we'll try to gather a story for November.)

AMSAT More Fun Than Ever

The AMSAT coordinators in the CVRA-SERA areas are:

W4AUZ Wm. R. Shepherd, 325 Taylor Dr., Lexington, Ky. 40505.

W4ZPG Col. John Clowe, 4144 Indiana Manor Dr., Stone Mountain, Ga. 30083.

W4EEE George F. Norton, 250 Milledge Ter., Athens, Ga. 30606.

W4FJ Ted Mathewson, 1525 Sunset Ln., Richmond, Va. 23221.

K4SR Richard Bishop, 305 Lakewood Dr., Moneta, Va. 24141.

KA8TSR John Ellison, #3 Berson Ave., Wheeling, W. Va. 26003.

WB8ZTV D.E. Knollinger, Rd. 4, Box 230, Moundsville, W. Va. 26041.

W4AMI Robert W. Barbee Jr., 2989 Carnoustie Rd., Memphis, Tn. 38128.

WB2LEI Jerry M[illegible]n, 709 Madras Ln., Charlotte, N.C. 2[illegible]

KB4AKQ Bob Myers, 346 Parkdale Dr., Charleston, S.C. 29407.

KJ4BF Lee Barnett, 701 E. Curtis St., Simpsonville, S.C. 29681.

PR Docket 85-22

Continued from Page 3

Official Recognition of Coordinators

The FCC said, "It is essential that repeater coordinators respond to the broadest base of local amateurs, and consider the concerns not only of repeater owners but also of those users of spectrum affected by repeater operation". "Their authority is derived from the voluntary participation of the entire amateur community; their recognition must be derived from the same source." "We believe the new rules will assure that a coordinator is representative of all local amateur operators."

Concerning open and closed repeaters, the Commission responding in Docket 85-22 said they were not in view that closed repeaters are any more or less desirable than open repeaters. Also, they said they will not adopt rules to formulate national band plans or to require them. They favor voluntary band plans over Commision-imposed subbands.

Finally, the biggie!

The FCC said, "We propose to make non-coordinated repeaters responsible to resolve interference associated with coordinated repeaters," ". . . Although the focus must be placed in the first instance upon the non-coordinated repeater to resolve such interference, we are adopting our proposed rules which continue to make the coordinated repeater secondarily responsible. This permits local coordinators and the FCC to consider technical alternatives, questions of equity, and sprectrum efficiency in reaching the most reasonable solution."

Conclusion

The FCC said they are amending the Part 97 rules consistent with the previous discussion we have covered in this story. The rules being adopted, make stations in repeater or auxiliary operation mutually responsible for resolving any interference associated with their operations, unless one station's operation is coordinated and the other's is not. In that case, the station with the non-coordinated repeater or auxiliary operation has primary responsibility to resolve any interference between them.

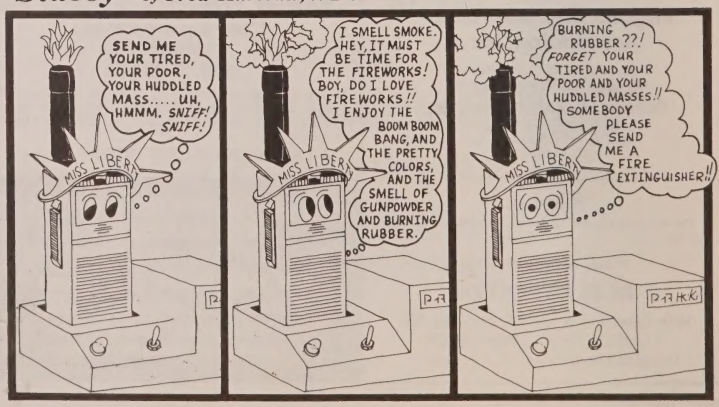
The Commission also said that rules adopted as interim measures before the evolution of voluntary amateur coordination of repeater and auxiliary operation are being removed.

They said, "We take this action in order to minimize the number of interference disputes related to amateur repeater and auxiliary operation."

This basically is how the lengthy document reads. We eliminated items dealing with actual wording from some of the respondants, but attempted to put down every item of value in the docket for you.

As you can see, the docket is kind of hard to digest in some instances, but many repeater councils, including your CVRA-SERA will be re-writing coordination policies to comply with the new rules. We do feel that the commission has given CVRA-SERA and other recognized councils across the nation some teeth that we can go on with the business with coordination in a way that would benefit amateur radio, and know that those few dissenters who ignore coordination or refuse to recognize the job a coordination council is trying to do voluntarily, can find themselves having to make corrections as necessary to conform with other repeaters if they cause any problems from their lack of cooperation. This is what we have wanted for 15 years, and the commission, without taking sides between repeater owners, or prospective repeater owners and coordination councils, has come up with some new rules that will benefit both councils and repeater and mainly benefit amateur radio. We are delighted!

Stubby ***by Fred Hurteau, WD4SKH***


SEND ME YOUR TIRED, YOUR POOR, YOUR HUDDLED MASS..... UH, HMMM. SNIFF! SNIFF!
MISS LIBERTY
I SMELL SMOKE. HEY, IT MUST BE TIME FOR THE FIREWORKS! BOY, DO I LOVE FIREWORKS!! I ENJOY THE BOOM BOOM BANG, AND THE PRETTY COLORS, AND THE SMELL OF GUNPOWDER AND BURNING RUBBER.
MISS LIBERTY
BURNING RUBBER??! FORGET YOUR TIRED AND YOUR POOR AND YOUR HUDDLED MASSES!! SOMEBODY PLEASE SEND ME A FIRE EXTINGUISHER!!
MISS LIBERTY
D17 HKK

MOST FULLY EQUIPPED AMATEUR RADIO CENTER UNDER ONE ROOF

10 miles west of Washington, D.C.

Electronic Equipment Bank
516 Mill Street, N.E.
Vienna, VA 22180
703-938-3350

EEB has four showrooms devoted entirely to the finest names in amateur radio and shortwave listening.

ICOM
YAESU
KENWOOD
HENRY
SANTEC
SONY
PANASONIC
DAIWA
JIL
MARANTZ
VOCOM
TOKYO HY-POWER
WELZ
MIRAGE
KANTRONICS
HAL
PALOMAR
AEA
INFO-TECH
MFJ
BENCHER
VIBROPLEX
and many more . . .

ORDERS ONLY PLEASE
800-368-3270

Antenna Bank
516 Mill Street, N.E.
Vienna, VA 22180
703-938-3818

The finest names in antenna systems and hardware are stocked in our warehouse and new showroom.

ROHN
TELEX
HY-GAIN
CUSHCRAFT
HUSTLER
LARSEN
VALOR
ALLIANCE
SOUTH RIVER
COLUMBIA/CAROL
SAXTON
UNADILLA-REYCO
VAN GORDON
ANTENNA SPECIALISTS
WEST PENN
KLM
TET
B & W
MOSELY
AMPHENOL
PHILLYSTRAN
MINI-PRODUCTS
and many more . . .

ORDERS ONLY PLEASE
800-336-8473

✣ WE ARE HERE TO SERVE YOU ✣

Prices subject to change without notice.
Shipping charges not included.
Allow 2 weeks for delivery.

10-5 Tues., Wed., Fri.
10-9 Thursday
10-4 Saturday
Closed Sunday and Monday

Sorry, no CODs.
Personal check may delay shipment.
We ship worldwide.

VISA MasterCard

TRI-CITIES HAMFEST

GRAY, TENNESSEE

(Between Johnson City & Kingsport, on I-181)

Saturday, October 18, 1986

Prizes

1st: Yaesu FT-757GX 2nd: Kenwood TR-9130

3rd: MFJ-1224 Computer Interface

CW Contest Prize-Bencher Paddles

"The Fastest Growing Hamfest In The South"

FCC LICENSE EXAMS

9:00 A.M. For those who register before September 18, 1986 send a Form 610, a check for $4.25 payable to ARRL-VEC and a copy of your license to N4IR, 714 Foothills Rd., Kingsport, TN 37663.

2:00 P.M. Walk-in's and Novices only. (First come first serve)

LARGE INDOOR & OUTDOOR FLEA MARKET

Forums
Packet Radio
MARS
OSCAR
VHF Repeater

Ladies Activities
Home Decoration
Color Charted
Cosmetics Demonstration
Crafts & Many Others

DEALERS
Doc's Communication
Certified Communication
Alpine Radio

PRE-REGISTRATION FORM
Mail to Tri-Cities Hamfest
P.O. Box 3682 CRS
Johnson City, TN 37602

(Qty)		(Totals)
_____	Hamfest Tickets @ $3.00 Advance ($4.00 at gate)	_____
_____	Inside Flea Market Tickets @ $3.00 plus $3.00 for each table. (Outside Flea Market, $2.00.)	_____
_____	Dealer Tickets @ $20.00	_____

NAME_____ CALL LETTERS_____

ADDRESS_____ PHONE_____

CITY_____ STATE_____ ZIP_____

TALK-IN 146.37/97

Looking back

—by David Ward, KA4LVO

The Repeater Journal August 1976 Issue

For the past several issues, I have made reference to the nine districts of the CVRA. These districts had such names as Western, Central, Northern, Coastal, etc. Each district had a Director and Vice Director, and getting all of these people together for a meeting was not an easy task! Wouldn't it be much easier if there were fewer districts; for instance, North Carolina, South Carolina and Virginia districts? That was the cover story for the August 1976 Repeater Journal.

On July 30, 1976, the CVRA Board of Directors approved a restructure of the association's districts from nine to three. This was done to improve communication among directors, especially when concerning matters of frequency coordination. In addition, this would make it easier to have a majority in attendance at board meetings. The restructure would take effect on January 1, 1977. After the new district directors and vice director were elected in the fall, the director would divide his state into three sub-districts and appoint an assistant director for each. These assistant directors could be associate members, thus giving associate members the opportunity to take a more active role in the organization.

Among the news from ARRL was the introduction of a new license study aid entitled "Tune In The World With Ham Radio". This package contained a manual, a morse code cassette and a U.S. wall map with call areas marked. News was reported from the ARRL Board Meeting at Denver in July. There, plans were made to establish an outgoing QSL bureau for ARRL members. Another result of that meeting was the appointment of a committee to study the need for a National Repeater Frequency Coordination System and determine the roll of the ARRL in this. Construction was authorized to add 15,000 square feet of office space to ARRL headquarters. It was decided that the league would look into the cost of offering group liability insurance to radio clubs or groups for meetings, special events, field day operations and displays. Also, the ARRL began looking into ways of assisting an amateur when involved in zoning and antenna conflicts.

In other news stories, the formal official boundary between CVRA and T-MARC had been established. A map showing this boundary would be printed in the upcoming CVRA Handbook, a new separate publication replacing the former oversized May Repeater Journal. A new column that would begin in November was announced; this column would cover recent equipment thefts in CVRA territory. The ENC Repeater Group of Kinston (NC) had recently voted to provide each of its members with associate memberships in the CVRA to take effect August 1, 1976. The first business card page of advertising appeared on page 19 of this 28-page issue. The Shelby hamfest group announced the 20th Shelby Hamfest in September. Prices for registration was $2.50, full registration (including meal) was $6.00, and camper hookups with electricity and water was $3.50. A list of East Tennessee repeaters was listed for those vacationing in that area. Repeater circuits and schematics were provided by W4VGZ. And finally, there was this note on page 26: "Written in the diary of King George III of England under the date of July 4, 1776: Nothing Happened Today." That was slightly an understatement.

Dan's Got It All

Britt's 2-Way Radio Sales & Service

2508 Atlanta Street
Smyrna, Georgia 30080
Belmont Hills Shopping Center
(404) 432-8006

All Of These "Goodies" And Many More At Super Savings.
Come See Us Or Call 1-800-241-2027.

VIRGINIA BEACH, VA.

1986 ARRL ROANOKE DIVISION

Tidewater Radio Conventions, Inc.

AMATEUR RADIO CONVENTION/COMPUTER FAIR

AUGUST 23 & 24

VA BEACH PAVILLION AT EAST END HIGHWAY 44

THE FINEST INDOOR, AIR CONDITIONED FACILITY ON THE EAST COAST

BRING THE FAMILY TO VACATION AT BEAUTIFUL VIRGINIA BEACH, VA.

PAVILION MOTOR INN (1 BLOCK EAST OF PAVILLION) 1-800-572-3617 VA. - 1-800-446-3617 NATIONWIDE	PAVILION TOWER (ADJACENT TO PAVILION) 1-800-228-2121 - 1-800-422-8900
HOLIDAY INN OCEANFRONT 1-800-HOLIDAY, 1-800-425-6920 VIRGINIA	K O A 1240 GENERAL BOOTH BLVD., VIRGINIA BEACH (804) 428-1444
HILTON INN 8TH AND OCEANFRONT 1-800-445-8667	HOLIDAY TRAV-L-PARK 1075 GENERAL BOOTH BLVD. VIRGINIA BEACH (804) 425-0249

- MAJOR COMMERCIAL EXHIBITORS
- ARRL FORUMS
- DX FORUMS
- LADIES AND CHILDREN'S PROGRAMS
- EXCELLENT FOOD SERVICE
- INDOOR FLEA MARKET TABLES
- PLENTY OF FREE PARKING

AMATEUR LICENSE EXAMINATIONS

CONTACT: DAVID HOUSE, N4LOW - 4 AYLWIN CRESCENT, PORTSMOUTH, VA. 23702

NO WALKINS!

AMATEUR RADIO EXAMS, TECHNICIAN THRU EXTRA - AUGUST 24, 1986

PRE-REGISTRATION PRIZE - KENWOOD TH21-AT

PRE-REGISTRATION FORM MUST BE RECEIVED BY AUGUST 15

ENCLOSE SELF-ADDRESSED, STAMPED ENVELOPE FOR REGISTRATION RETURN

NAME _____ TELEPHONE _____

BUSINESS NAME _____ CALLSIGN _____

ADDRESS _____ STATE _____ ZIP _____

NUMBER

_____ ADVANCE TICKETS - $5.00 GOOD FOR BOTH DAYS ($6.00 AT DOOR) ..... $_____

_____ FLEA MARKET TABLES $5.00 PER DAY ..... $_____

_____ ELECTRICAL OUTLET IN FLEA MARKET $10.00 ..... $_____

_____ COMMERCIAL BOOTHS - $50.00 EACH FOR BOTH DAYS ..... $_____

TOTAL $_____

FOR INFORMATION CALL OR WRITE:

TIDEWATER RADIO CONVENTIONS, INC.
3512 OLYMPIA LANE
VIRGINIA BEACH, VA. 23452
PHONE (804) 340-6105

For a free Virginia Beach Accommodations Directory, mail this coupon today to: Virginia Beach Visitor's Bureau, P.O. Box 200, Dept. MTB, Virginia Beach, Virginia 23458.

Name _____

Address _____

City _____ State _____ Zip _____

Department of Economic Development
Tourist Development Division

City of Virginia Beach

PRESENTING

Talk-In
146.16/76
449.250/444.250

Admission $5.00
Includes Saturday Night Cookout/Barbeque And All Alternate Activities

HAM RADIO & COMPUTER EXPO '86

NOVEMBER 1-2, 1986

Gwinnett County Fairgrounds, Lawrenceville, Georgia

Easy access from Interstate 85 (exit 46) – Just 20 minutes North of Atlanta

* *

FCC EXAMS BOTH DAYS
Novice Through Extra
FCC Form 610 Provided

LARGE DEALER AREA
Drive-up Loading and Unloading

FREE PARKING ADJACENT TO SHOW
3,500 Vehicle Capacity

RV SITES WITH FULL HOOK-UPS
$7.00 Per Night – Please Notify in Advance

★ **FORUMS SCHEDULED DAILY**
Packet, AMSAT, and Much More

★ **DOOR PRIZES**
Hourly and Daily Drawings

★ **COVERED FLEA MARKET**
Tables Available at a Nominal Charge

★ **FAMILY ENTERTAINMENT**
Alternate Activities for a Fun-Filled Family Weekend

TWENTY-FOUR HOUR SECURITY FOR YOUR SAFETY AND PROTECTION

* *

MOTELS AND OTHER LODGING: I-85 Suwanee Exit – Falcon Inn and Conference Center (404) 945-6751; Holiday Inn (404) 945-4921; Days Inn (404) 945-8372
I-85 Pleasant Hill Exit – Marriott Hotel (404) 923-1775; Days Inn (404) 476-1211

There are several other facilities in the Lawrenceville, Georgia/Gwinnett County area. You are encouraged to call direct for reservations.

FOOD CONCESSIONS: All around good eating and nourishment provided courtesy of Gwinnett Amateur Radio Society.

FOR FURTHER INFORMATION CONTACT:

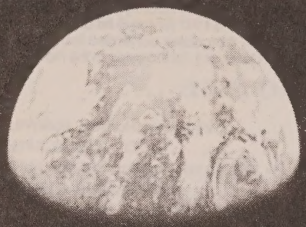
EXPO '86
P. O. Box 1282
Stone Mountain, Georgia 30086

CHAIRMAN – CLAUS KRATKY – KA4FXU – 404-925-2638
CO-CHAIRMAN – LEE MATTHEWS – N8LM – 404-925-7615

KDK FM-X40 Series

FM-240 2 Meters
FM-740 70 cm

SPECTACULAR MOBILE SIMPLICITY



- Superior features, simpler to use for 2 meters, MARS, CAP
- Compact size for better fit in today's automobile
- 16 fully programmable memory channels, plus priority call channel, plus 2 VFOs for today's user
- Subaudible encode and decode standard for today's 2 meter bands
- Subaudible frequency programmed by freq. no chart needed
- Speech synthesis option for voice VFO

FM-240 2 meter, 25 watts
FM-740 70 cm, 10 watts

NOW AVAILABLE! FM-240 NT
Without Subaudible Tone

Specifications KDK FM-240 (and FM-740)	
General	
Supply Voltage	13.8v ± 15%, negative ground.
Consumption	Transmit: 1.5A @ 5w, 5.5A @ 25w Receive: .4A @ 0 sig., .6A @ max volume.
Temp. Range	– 10 deg. C to 60 deg. C.
Dimensions	40H x 140W x 170D mm (Body only)
Weight	1.0Kg (Body only)
Transmitter	
Freq. Range	FM-240 142.000 - 150.00 MHz (FM-740 440.00 - 449.975 MHz)
Output	High = 25 watts, Low = 5 watts (High = low, (Low = 1W) (FM-740 High = Low)
Modulation	Variable reactance frequency modulation
Max. Deviation	± 5KHz
Spur. Emmis	More than 60dB down from carrier
Duplex Offset	Programmable ± .1 to 12.7MHz (set at ± .6KHz ex-factory)
Tone	Programmable 74-250.3 (34 EIA tones) Encode and Decode
Receiver	
Int. Freq	1st = 10.7MHz, 2nd = 455KHz (1st-21.4MHz 2nd-455KHz)
Sensitivity	Better than 12dB SINAD @ .2uV
Squelch Sens	Better than .15uV
Bandwidth	+ 6KHz @ – 6dB
Selectivity	+ 12.5KHz @ – 60dB
Image Ratio	Better than 70dB
Audio Output	More than 2w, 8 ohms load, 10% THD
Standard Accessories	
Speaker Microphone	Speaker = 8 ohms, Mike = Condenser type. SM-34A: UP/DOWN plus tone encoder.
Power Cable	2 meters, with 7A fuse.

ENCOMM 1506 CAPITAL AVENUE. PLANO. TEXAS 75074 PHONE · 214-423-0024 GIII FAX · 214-423-0081
NATIONAL DISTRIBUTION FOR SANTEC · KDK · KENPRO · THL · WELZ PRODUCTS

Coming Events

1986 HAMFEST/CONVENTION CALENDAR

Deadlines for correcting entries in the November Journal is October 1. The Repeater Journal will publish the entire 1987 tentative list of Hamfests in the November issue. Any groups with their dates confirmed for 1987, should send them to the editor prior to October 1, for inclusion in the November list for 1987.

AUGUST

3 ..... Winchester Hamfest, BERRYVILLE, VA
9 ..... Jax Cty. Hamfest, RIPLEY, WV
23-24 ..... Roa. Div. ARRL Conv./Hamfest, VIRGINIA BEACH, VA
24 ..... ERARC Hamfest, BLUEFIELD, WV
30 ..... CVRA-SERA Annual Meeting, SHELBY, NC
30-31 ..... Hamfest, SHELBY, NC

SEPTEMBER

6-7 ..... Hamfest, CHATTANOOGA, TN
28 ..... Lanierland ARC Hamfest, GAINESVILLE, GA

OCTOBER

5 ..... Hamfest, ROCK HILL, SC
11-12 ..... Central Ga. Hamfest, WARNER ROBBINS, GA
12 ..... 2nd Annual Techfest, RICHMOND, VA
12 ..... Hamfest, MAYSVILLE, NC
18 ..... Tri-Cities Hamfest, GRAY, TN
24-25 ..... Cen. Ala. Hamfest, MONTGOMERY, AL
25 ..... New River Valley Hamfest, DUBLIN, VA

NOVEMBER

1-2 ..... Ham Radio & Computer Expo "86, LAWRENCEVILLE, GA
2* ..... Hamfest, CONCORD, NC
22-23 ..... Hamfest, GREENSBORO, NC

NOVEMBER ADVERTISING FOR HAMFESTS: Hamfests being held from late November through the 1st quarter of 1987 should get their ads in the November issue of the Journal. Large shows should take the November Journal opportunity to put out advance notice on their shows with smaller ads, and insert larger ads in the February issue. Make no mistake about it, Journal advertising of your hamfest PAYS for itself many times. The Journal is the most inexpensive vehicle available to pass the word. Call or write Sharon Ward, our Sales Manager. Her phone and address is on page 1.

CVRA - SouthEastern Repeater Association, Inc.

FINANCIAL REPORT FROM JANUARY 1 TO JUNE 30, 1984, 1985, AND 1986

REVENUES	1984	1985	1986
Advertising	$3,518.00	$ 4,117.85	$ 3,374.25
Associate Membership dues	4,613.00	5,691.88	5,703.00
Full Membership dues	1,374.00	2,413.00	2,239.00
Decals	-0-	110.00	39.00
Postage - includes H.O.T.P.	-0-	48.50	121.00
Hats	-0-	-0-	57.37
Contributions	-0-	-0-	182.00
Interest	-0-	-0-	115.97
Other	29.75	6.50	61.14
	$9,534.75	$12,387.73	$11,892.73
EXPENSES			
Journal mailing	$1,223.85	$ 1,015.67	$ 1,833.08
Journal printing	7,918.75	7,893.41	6,191.24
Miscellaneous	2.35	541.32	-0-
Directors meetings	534.19	768.68	1,074.20
Office expenses	8.67	175.22	-0-
Postage - other than journal	69.12	144.45	172.66
Printing - other than journal	62.80	813.27	10.36
Telephone	129.66	219.97	322.27
	$9,949.39	$11,571.99	$ 9,603.81
EXCESS (DEFICIT) OF REVENUE OVER EXPENSES	$(414.64)	$ 815.74	$ 2,288.92
Balances, beginning of year			
Expenses advanced	$ 800.00	$ 900.00	$ 950.00
Invested in copy machine	1,792.00	1,344.00	896.00
Cash in bank	2,507.39	1,413.04	2,107.05
	$5,099.39	$ 3,657.04	$ 3,953.05
EQUITY TO ACCOUNT FOR	$4,684.75	$ 4,472.78	$ 6,241.97
Less: Expenses advanced	$ 900.00	$ 900.00	$ 300.00
Invested in copy machine	1,792.00	1,344.00	896.00
	$2,692.00	$ 2,244.00	$ 1,196.00
CASH IN BANK	$1,992.75	$ 2,228.78	$ 5,045.97

Ray Adams

Ray Adams, N4BAQ
Treasurer

WHERE TO BUY DIRECTORY

Advanced Computer Controls (ACC) (CA) ..... Ins. Bk. Cover
American Radio Relay League (CT) 7
Britt's Two-Way Radio (GA) 43
Business Card Advertisers 11
Bluefield Hamfest (WVA) 12
Certified Communications (SC) 48
Chattanooga Hamfest (TN) 10
Dynamic Engravers (NC) 28
Electronics Equipment Bank (EEB) (VA) 41
ENCOMM, INC. (TX) ..... Ins. Ft. Cover, 47
F & M Electronics (NC) 32
Greensboro Hamfest (NC) 35
H.L. Heaster (WV) 36
Lawrenceville (Alfred Memorial) Hamfest, (GA) 46
Lake Marion Repeater (SC) 30
MarVista Motel (SC) 31
New River-Dublin Hamfest (VA) 38
Repeater-Club-Net Service Page 39
Repeater Journal Advertising Rates 33
Richmond Frostfest (VA) 27
Richmond Techfest (VA) 6
Shelby Hamfest (NC) ..... 4 & 5
Tidewater ARRL/Conv. & Computer Fest (VA) ..... 43 & 44
Tri-Cities Hamfest (TN) 42
West Antenna Service (NC) 14
Williams Radio Sales (NC) 8, 13, 15, 29, 34

Remember our Journal Advertisers

THE WIREMAN

FOR ALL AMATEUR WIRE & CABLE
BELDEN and Equivalent, Copperweld

1-800-433-WIRE

Hardline • Custom Cables • Dipole Kits
Connectors • Boots • Sealers
Magnet Wire • Ground Radials

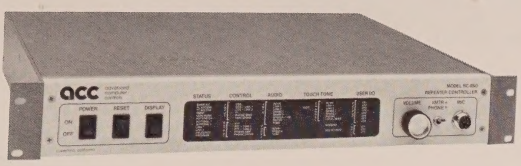
• LARSEN ANTENNAS • AMIDON
• UNADILLA - CB to 10 & 12

1-800-433-9473

VISA ★ MASTERCARD ★ COD ★ CASH
(803) 895-4195 (SC and Ragchew)

Certified Quality from
CERTIFIED COMMUNICATIONS
PITTMAN RD. ROUTE 2, LANDRUM, S.C. 29356

When we set out to make the best amateur radio equipment in the world, we had some pretty tough standards to live up to ...



... yours

... and ours.

So we designed the **RC-850 Repeater Controller**, the industry's top of the line repeater control system. Now in it's "third wave" of innovation, thanks to its designed for the future architecture and new software releases. The '850 defines the industry standard in repeater control systems.

- Fully remotely programmable with Touch-Tone commands
- Front panel LED display
- Over 300 word customized male and female speech synthesis vocabulary
- Time/day of week Scheduler with 10 set-up states, 30 changeovers and events, over 100 scheduled items for hands off operation and automatic reminders.
- Full or half duplex autopatch, autodial (250 numbers), emergency autodial, reverse autopatch, antidialer, toll restrict including telephone exchange tables, supports remote and multiple phone lines
- Informative remotely programmable ID's (17), tail messages (13), bulletin boards (5)
- 16 channel voice response analog metering, automatic storage of min/max values on each channel, values may be read back on command or may be included in any programmable messages
- Supports synthesized remote base transceivers and full duplex links
- Individual user access codes to selectable features
- Mailbox for user-to-user, and system-to-user messages
- Paging – two-tone, 5/6 tone, DTMF, CTCSS, HSC display, user commandable and may be included in programmable messages (i.e. alarms)
- Easy hookup to any repeater

If your repeater budget can't afford the '850, we offer the **RC-85 Repeater Controller**, which we like to call the "second best repeater controller in the world". It's a scaled down, simplified version of our '850, but overall, it offers more capability and higher quality than anyone elses control equipment at any price.

- Remotely programmable with Touch-Tone commands
- Over 175 word customized male speech synthesis vocabulary
- Selectable "Macro sets" for easy control operator selection
- Autopatch, autodial (200) numbers, emergency autodial, reverse patch
- Remotely programmable informative ID's (7), tail messages (3), bulletin board (2)
- Supports synthesized remote base transceiver, control receiver, alarm
- Selectable, informative courtesy tones
- Talking S-meter, Two-tone paging
- Easy hookup to any repeater

For those who like to "roll their own", we can get you off to a rolling start with our **ITC-32 Intelligent Touch-Tone Control Board**. Much more than just a decoder, it's a mini-control system of its own, with the basic repeater and remote base functions built-in. And it can be tailored by you with its Personality Prom.

- 28 remotely controllable latched or pulsed logic outputs
- 4 alarm or remote sensed logic inputs
- Response messages to confirm command entry
- Repeater functions including COR, IDer, timers, courtesy tone
- Remote base functions including control of synthesized transceiver

Our new **Digital Voice Recorder** lets you remotely record ID's, tail messages, and various other response messages for automatic playback through your repeater. Audio is stored digitally with no-compromise reproduction quality in up to eight megabits of memory. The DVR can support up to three independent repeaters for a low per-channel cost. Its Touch-Tone activated voice mailbox lets your users easily record messages for other users when they aren't around.

- Remotely recordable, variable length audio tracks, accessed from controller messages
- Top quality, no compromise audio reproduction
- Supports up to three repeaters for cost effective installation
- Expandable to roughly 6 minutes of speech in 8 megabits of memory
- Easy interface to RC-850, RC-85 controllers, or to any stand-alone repeater

QST: Attention All Hams

If you own a shack, you should know about ShackMaster™.

ShackMaster lets you carry your home station with you in the palm of your hand. It acts as your gateway to the world, linking your handheld transceiver to your high performance HF station. Now, instead of your valuable home equipment being available to you 1% of the time, it's available 99% of the time! Whether around the house, in the yard, or across town, ShackMaster let's you take it with you.

But that's just part of ShackMaster's story. It lets you communicate with the family by handling third party traffic – its electronic mailbox and intercom let you keep in touch. And a simplex patch lets you place important calls directly through your home phone.

- Crossband linking – VHF/UHF to HF
- Telephone access to your home station
- BSR Home Control interface
- Electronic Mailbox
- ShackPatch™ intercom into the shack
- PersonalPatch™ simplex autopatch

All our products are documented with high quality, easy to read manuals. Our goal is to advance the state of the repeater art. But most of all, our products put the FUN back into the FUN MODE!

To order one of these advanced control products, call 408-749-8330. Technical manuals are available for purchase and the amount paid is applied as a deposit on the equipment. For specifications and a copy of our ACC Notes newsletter, just write or send in your QSL card to:

VISA MasterCard

Visa and Mastercard accepted.

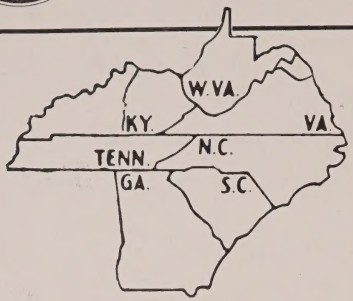
acc advanced computer controls, inc.

2356 Walsh Avenue • Santa Clara, CA 95051 (408) 727-3330

CVRA - SouthEastern Repeater Association, Inc.

POST OFFICE BOX 24292
WINSTON-SALEM, N.C. 27114-4292

Bulk Rate
U. S. Postage
PAID
Permit No. 383
Greensboro, N.C. 27435
THIRD CLASS MAIL



"In Our 15th Year
Of Service
To The VHF/UHF
Amateur"

Representing Coordination and UHF/VHF Interests Throughout North Carolina
South Carolina, Virginia, Tennessee, West Virginia, East Kentucky and Georgia

THE CVRA—SOUTHEASTERN REPEATER ASSOCIATION STATE DIRECTORS, VICE DIRECTORS AND ASSISTANTS

For Assistance in Repeater Coordination, Frequency Coordination, Changes in Repeaters, and Any other Assistance You May Require from the CVRA. Contact Your Local Director or His Assistant.

NORTH CAROLINA

DIRECTOR

Western Coordination
Beacham Leonard, W4RXG
810 S. Hawthorne Rd.
Winston-Salem, N.C. 27103
(919) 724-7350

VICE DIRECTOR

Calvin Dempsey, WA4UQC
1604 W. Canal Street
Tarboro, N.C. 27886
(919) 823-4300

ASST. DIRECTOR

Eastern Coordination
Danny Hampton, K4ITL
P.O. Box 12734
Raleigh, N.C. 27605
(919) 832-8733

WEST VIRGINIA

DIRECTOR

Karl Morris, WB8GDY
1009 Sand Hill Drive
St. Albans, W. Va. 25177
(304) 727-8453

1st VICE DIRECTOR

Lyle B. Gaston, W8FG
P.O. Box 351
Pratt, W. Va. 25162
(304) 442-5373

2nd VICE DIRECTOR

Gary Holt, N8BZS
Rt. 3, Box 1-A
Odd, W. Va. 25902
(304) 787-5753

VIRGINIA

DIRECTOR

Lee McDaniel, WB4QOJ
8506 Belle Haven Rd. NW
Roanoke, Va. 24019
(703) 563-4705

VICE-DIRECTOR

Wally Burkette, WA4KXV
242 Raintree Road
Virginia Beach, Va. 23452
(804) 486-1555

S. WESTERN ASSISTANT

Larry Lewis, WB4JBJ
101 Jane Randolph St.
Forest, Va. 24551
(804) 525-5901

EASTERN KENTUCKY

DIRECTOR

Fred Jones, WA4SWF
511 Lackey Avenue
Louisa, Ky 41230
(606) 638-4119

VICE DIRECTOR

Terry Estes, WB4ASZ
16 Valley Drive
Winchester, Ky. 40391
(606) 744-2590

GEORGIA

DIRECTOR

Jim Abercrombie, N4JA
P.O. Box 5943
Augusta, Ga. 30906
(404) 790-7802

VICE-DIRECTOR

John Robertson, N4BGL
291 Amberwood Dr.
Lawrenceville, Ga. 30245
(404) 921-6233

ASST. DIRECTOR

Dave Shiplett, WL7ACY
1116 Crescent Dr.
Robins AFB, Ga. 31098
(912) 926-6339

SOUTH CAROLINA

DIRECTOR

Al Harney, N4EOY
224 Morningwood Dr.
Lexington, S.C. 29072
(803) 359-5305

VICE DIRECTOR

Len H. Bjerken, WB4USY
Rt. 1, Box 80
Sumter, S.C. 29150
(803) 481-2436

TENNESSEE

DIRECTOR

J. Tom Park, WD4KWP
1198 Lock 4 Road
Gallatin, Tn. 37066
(615) 452-3822

VICE-DIRECTOR

Jean Giesler, W4TYU
4544 Lyons View Drive
Knoxville, Tn. 37919
(615) 525-5781

SOUTHEAST ASST.

Barbarra Gregory, WA4RMC
8619 Smokerise Lane
Chattanooga, Tn. 37421
(615) 892-8889

SOUTH-CENTRAL ASST.

Bill Gilley, W4YXA
P.O. Box 161
McMinnville, Tn. 37110
(615) 473-5383

WEST TENN. ASST.

J.D. Brown, N4DRL
11714 Macon Road
Eads, Tn. 38028
(901) 853-0463

ASST. DIRECTOR

Jim Long, KB4YF
Rt. 2, Box 583
Hodges, S.C. 29653
(803) 374-3677